



Sharp NEC Display Solutions

# Product Overview



# Product Overview

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Sharp NEC Display Solutions brings together and integrates technology and expertise to create the ICT-enabled society of tomorrow.



## The Display Solutions Brand to Trust

Discover a world of bright choices, orchestrated from the widest display portfolio and fine tuned with decades of expertise leading innovation in the display industry. Whether it's informing visitors, increasing sales, improving collaboration and communication, performing critical tasks or simply delighting an audience, we make your business visible, with best choices, best care and best competence. Sharp/NEC offers the widest display portfolio available today, supported by a world-leading partner network and a reputation built on decades of trusted operation in demanding applications.

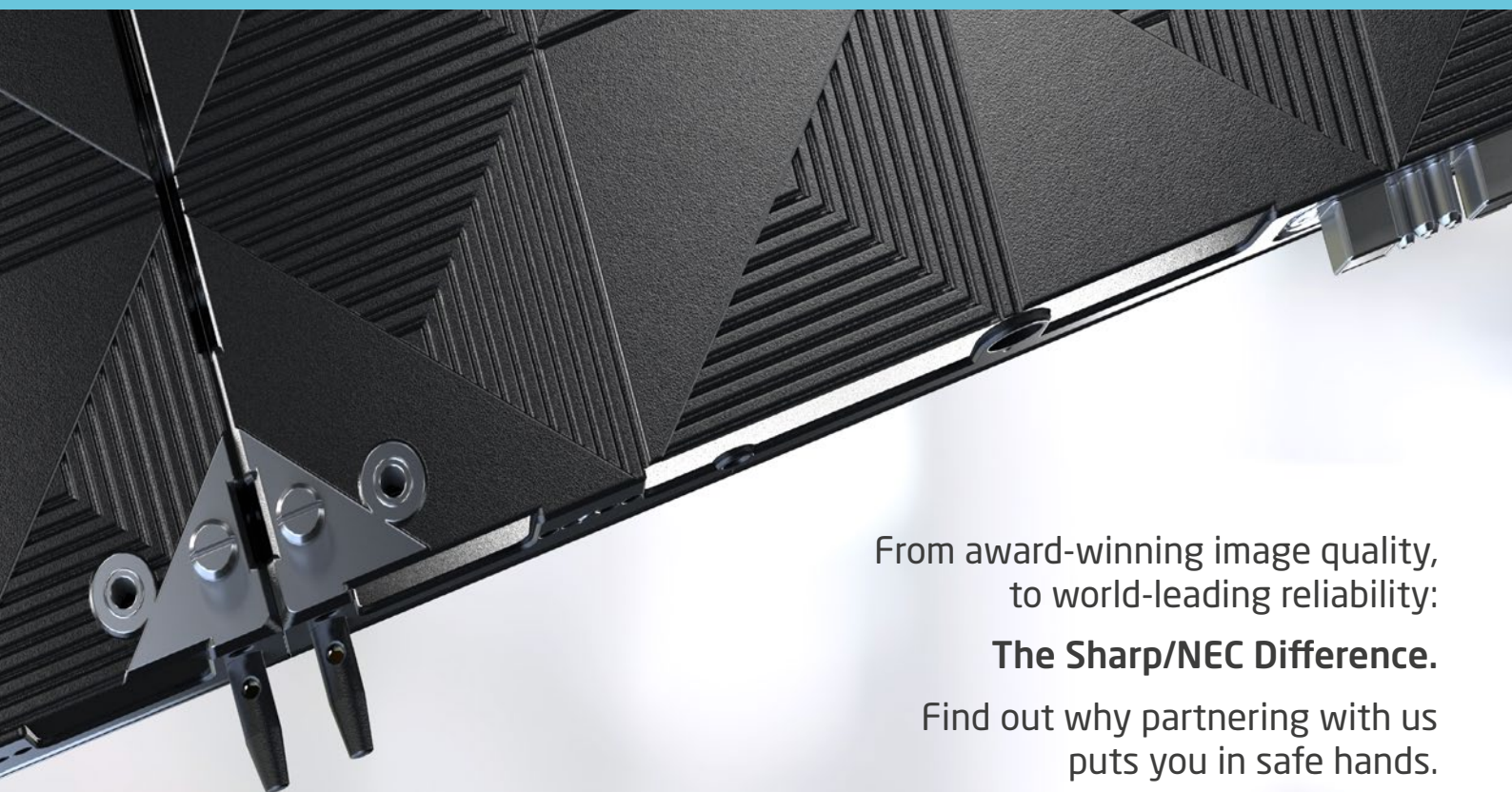
We help you create sustainable and reliable installations that improve business efficiency and lower operating costs. Desktop, meeting room, in-store, theatre-wide or across entire buildings, we provide state of the art digital surfaces that take the visual identity of your organisation to the next level. What's more, with our comprehensive range of display technologies and software solutions, we are not tied to any particular technology so we can focus on delivering the most appropriate technology for any individual need.

Sharp/NEC stands for future ready innovation and highest standards for the entire product lifecycle, meeting our customer's requirements in terms of performance and consistency, however critical the application. Expect more in terms of excellence and satisfaction, with lower failure rates and overall lower operating costs.

Visual performance starts here.



# The Sharp/NEC Difference



From award-winning image quality,  
to world-leading reliability:

## The Sharp/NEC Difference.

Find out why partnering with us  
puts you in safe hands.

## 1 A Name to Trust

An industry leading reputation for quality and reliability, providing mission critical performance to the world's leading names.

- 228 airports use NEC Displays
- 2.9M Large Format Displays shipped worldwide
- 5M+ Projectors delivered
- 30% of European cinemas use NEC DCI Projectors

## 2 Innovation is in our DNA

Pioneering technology developments which address genuine customer needs.

- First EMC Class B certified LED installation
- Filter-free, sealed engine projection for zero maintenance
- Open Modular Intelligence (OMi) computing
- Award-winning super-silent projection



## 3 Unrivalled Quality

Longer lifecycles and lower operational costs.

- Innovative Japanese design, with professional components, ready for the most challenging applications
- Safe for use in public spaces with metal chassis for increased thermal protection and product longevity
- Superior award-winning image quality, increased contrast, uniformity and colour accuracy
- Choosing poor quality can lead to greater downtime, loss of revenue and damage to your brand

# 4 World's Widest Display Portfolio

We deliver perfect-fit solutions from the widest portfolio.

- Indoor and outdoor LCD and dvLED
- Engaging interactive and collaborative solutions
- Versatile Projection solutions
- Productivity-focused Desktop Displays
- Modular Computing / Software options



# 5 Unique Service

An unrivalled Service Partner network and support infrastructure.



- NEC serviceplus, guaranteed performance for the entire lifecycle
- 41 country, pan-European service infrastructure
- Global, European or local, tailored service level options
- Transparent, expandable warranties and value-added services

# 6 ONEGLOBAL Program

Supporting our international clients, a dedicated customer support program with a single point of contact.

- Centralised purchasing, global pricing and commercial terms
- Joint product strategy development
- Global standards for common aesthetics and user experience
- Pan-global network of peers and partners



# 7 Application Specialist

With specialist expertise in all sectors, we understand your unique needs and how people engage with you.

- Digital signage across corporate, education, retail, transport and hospitality sectors
- Meeting room, classroom, conferencing and personal workspace productivity
- Large venue presentation in corporate, education and leisure environments
- Control room, surveillance and monitoring

# 8 Partnerships & Alliances

NEC nurtures industry alliances to deliver the best customer offering, maintaining choice and flexibility.

- Cisco Meeting Room compatibility
- Crestron compatibility for AVoIP
- Quicklaunch™ integration for one-touch meetings



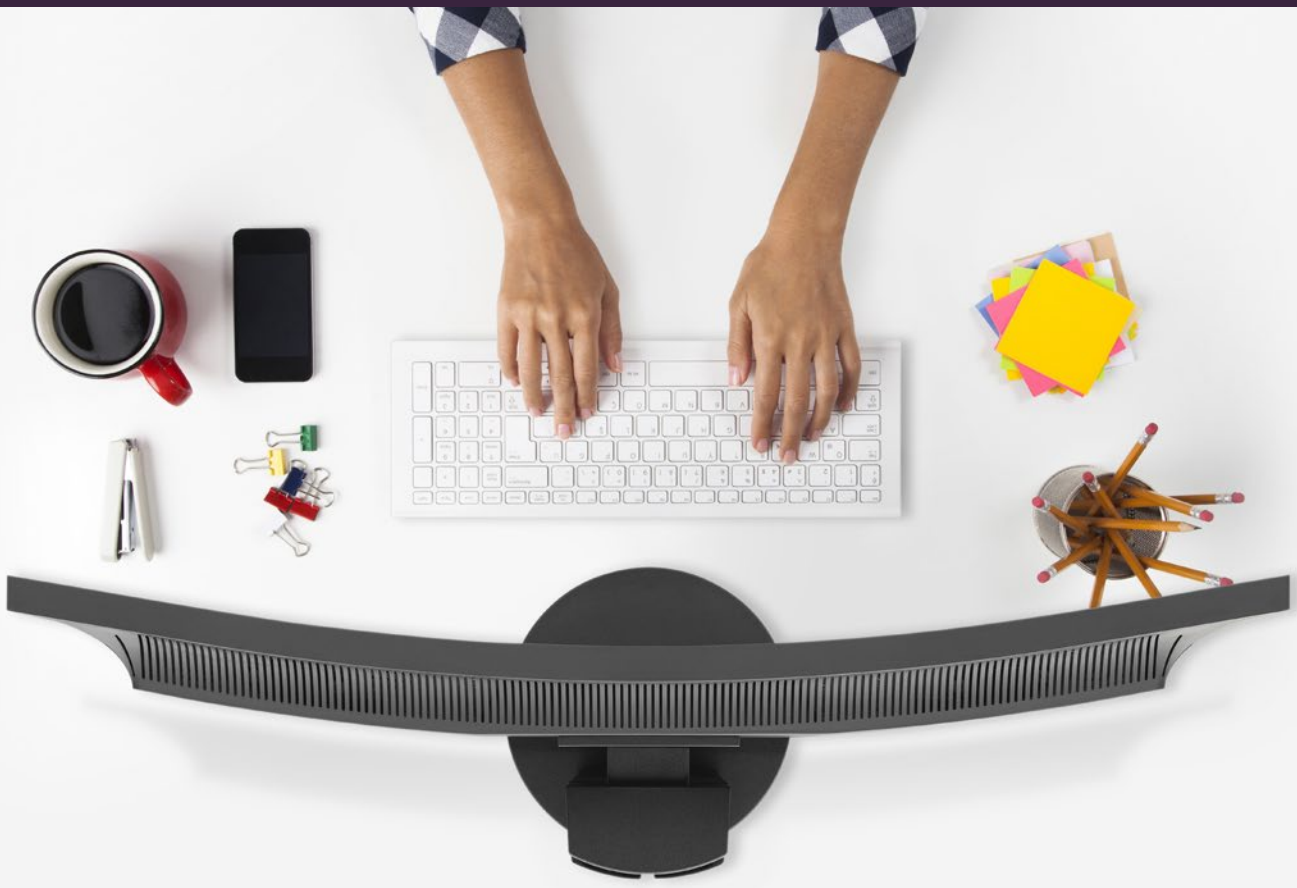
# 9 The Smallest things that Matter the Most

Committed to supporting a climate-neutral future.



- Improved use of recycled materials including 97.4% recycled parts for Large Format Displays
- Longer lifecycles and lower energy use
- Lower harmful emissions
- Packaging that is entirely recyclable

# Desktop Displays



With a comprehensive range of Display Solutions, Sharp/NEC offers a desktop display for almost any requirement. From cost-conscious to mission-critical, Sharp/NEC's performance-oriented displays combine attractive lifestyle designs with health conscious ergonomics for corporate office, finance, control-room, small signage, creative and publishing applications.

## Commercial Enterprise

- |           |  |
|-----------|--|
| E Series  | Future proof displays for the performance-oriented workplace           |
| EA Series | For the advanced ergonomic and high performance-oriented workplace     |
| EX Series | Speciality displays for demanding workplaces in dedicated environments |

## Professional

- |           |  |
|-----------|--|
| PA Series | Reference displays for colour precision applications |
|-----------|--|

**3**  
YEARS  
WARRANTY

UP TO  
**5**  
YEARS  
OPTIONAL  
WARRANTY

  
**ECO**  
INNOVATION

## E | EA Series | Commercial Enterprise

Performance-oriented displays with an attractive lifestyle design ideal for corporate users. High image quality and improved connectivity with advanced ergonomics to protect the well-being of the user; these displays, with their modern ultra-thin bezel design, have all the credentials today that will be demanded tomorrow.

17" to 27"

E Series

19" to 27"

EA Series



## EX Series | Commercial Speciality

The 'Extra' Series of desktop displays offers extraordinary functionality to meet the speciality needs of niche usage scenarios. Curved displays for ultimate immersive ergonomic viewing and ultra-narrow bezel designs for efficient multi-display setups in trading or dispatching applications as well as for small and creative digital signage installations.

24" and 34"

EX Series

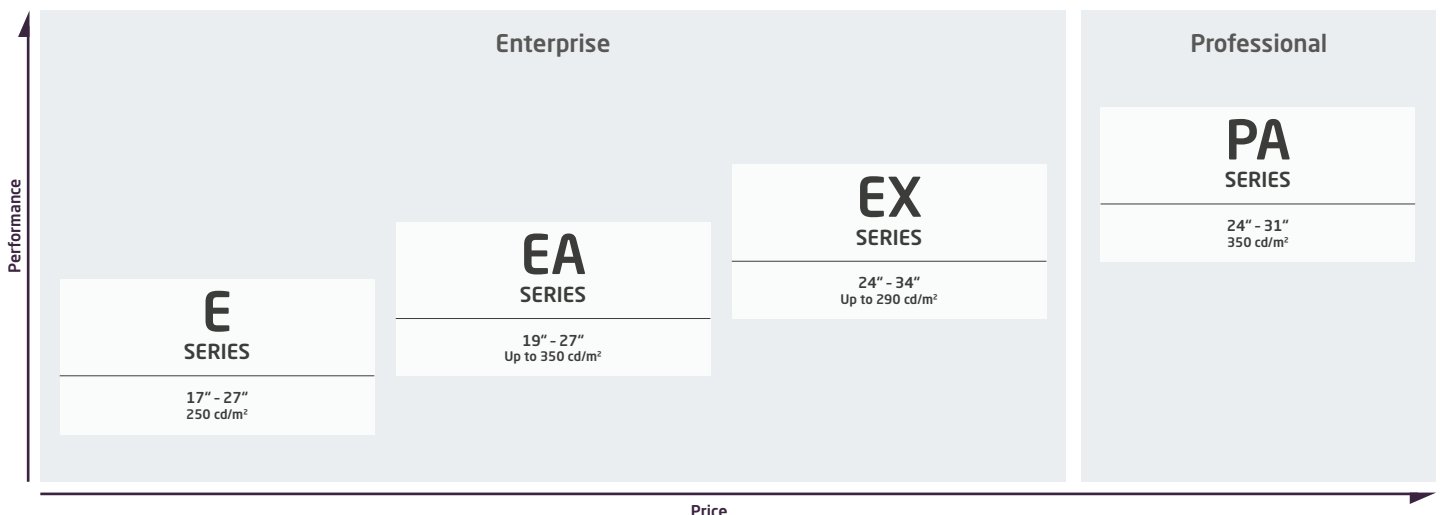


## PA Series | Professional

For demanding precision applications used by creative professionals, photographers, video editors, CAD-CAM designers and engineers. Delivering superb performance, uncompromising image quality and outstanding colour reproduction, as well as class-leading ergonomics, this is the display for anyone who cares about their visual work.

24" to 31"

PA Series



## E Series | Commercial Enterprise

| MultiSync® Model                          | E172M                          | E221N  | E223W                          | E233WMI                        | E241N  | E242N  | E243F  |
|---|--------------------------------|--|--------------------------------|--------------------------------|--|--|--|
| Order Code                                | 60003582 (BK)<br>60003581 (WH) | 60004224 (BK)<br>60004223 (WH)                           | 60003334 (BK)<br>60003335 (WH) | 60004376 (BK)<br>60004377 (WH) | 60004222 (BK)<br>60004221 (WH)                           | 60004990 (BK)<br>60004856 (WH)                           | 60005203 (BK)<br>60005204 (WH)                           |
| Panel Technology                          | TN / W-LED                     | IPS / W-LED  | TN / W-LED                     | IPS TFT W-LED                  | IPS / W-LED  | IPS / W-LED  | IPS / W-LED  |
| Screen Size [inch / cm]                   | 17 / 43                        | 22 / 55  | 22 / 56                        | 23 / 58                        | 24 / 60  | 24 / 60  | 24 / 60  |
| Aspect Ratio                              | 5:4                            | 16:9   | 16:10                          | 16:9                           | 16:9   | 16:9   | 16:9   |
| Brightness (typ.) [cd/m²]                 | 250                            | 250  | 250                            | 250                            | 250  | 250  | 250  |
| Contrast (typ.)                           | 1000:1                         | 1000:1   | 1000:1                         | 1000:1                         | 1000:1   | 1000:1   | 1000:1   |
| Viewing Angle Hor / Vert [°]              | 170 / 160                      | 178 / 178  | 170 / 160                      | 170 / 160                      | 178 / 178  | 178 / 178  | 178 / 178  |
| Response Time (typ. G to G) [ms]          | 5                              | 6  | 5                              | 6                              | 6  | 6  | 6  |
| Colours [Mio.]                            | 16.77                          | 16.77  | 16.77                          | 16.77                          | 16.77  | 16.77  | 16.77  |
| Resolution at 60 Hz                       | 1280 x 1024                    | 1920 x 1080  | 1680 x 1050                    | 1920 x 1080                    | 1920 x 1080  | 1920 x 1080  | 1920 x 1080  |
| Connectivity                              | VGA, DP, HDMI                  | DP, HDMI, VGA  | DP, DVI-D, VGA                 | DP, DVI-D, VGA                 | DP, HDMI, VGA  | DP, HDMI,<br>USB 3.1 (3 down, 1 up),<br>VGA              | USB Type C, DP, HDMI,<br>USB 3.1 (3 down, 1 up),<br>VGA  |
| Power ON (factory setting) [W]            | 10                             | 15   | 12                             | 16                             | 16   | 16   | 15   |
| Power Saving Mode [W]                     | 0.4                            | 0.29   | 0.35                           | 0.35                           | 0.29   | 0.29   | 0.4  |
| Internal Power Supply                     | ●                              | ●  | ●                              | ●                              | ●  | ●  | ●  |
| Height Adjustable Stand [mm]              | 50                             | 110  | 110                            | 110                            | 110  | 110  | 130  |
| Other Ergonomics                          | tilt                           | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate           | tilt, swivel, rotate           | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate,<br>low blue light,<br>flicker free |
| Bezel Width T - B / L - R [mm]            | 17.5 / 14.2                    | 1*   | 15.8 / 13.9                    | 16.8 / 16.4                    | 1*   | 1*   | 1*   |
| Dimensions with stand<br>(W x H x D) [mm] | 368 x 359-409 x 230            | 488 x 360-470 x 214                                      | 504 x 383 x 214                | 544 x 375-485 x 214            | 539 x 374-484 x 214                                      | 539 x 374 -484x 214                                      | 538 x 333-463- x 190                                     |
| Weight with stand [kg]                    | 4.2                            | 5.0  | 4.9                            | 5.7                            | 5.5  | 5.5  | 5.5  |
| NaViSet Administrator 2                   | ●                              | ●  | ●                              | ●                              | ●  | ●  | ●  |

## E Series | Commercial Enterprise

## EA Series | Commercial Enterprise

| MultiSync® Model                          | E245WMI  | E271N                          | EA193MI                        | EA223WM                                      | EA224WMI   | EA231WU  | EA234WMI   |
|---|--|--------------------------------|--------------------------------|--|--|--|--|
| Order Code                                | 60004113 (BK)<br>60004148 (WH)                           | 60004496 (BK)<br>60004633 (WH) | 60003586 (BK)<br>60003585 (WH) | 60003294 (BK)<br>60003293 (WH)               | 60003336 (BK)<br>60003337 (WH)                     | 60004781 (BK)<br>60004782 (WH)                           | 60003588 (BK)<br>60003587 (WH)                     |
| Panel Technology                          | PLS TFT / W-LED  | IPS TFT / W-LED                | IPS / W-LED                    | TN / W-LED                                   | IPS / W-LED  | LED IPS TFT / W-LED                                      | IPS / W-LED  |
| Screen Size [inch / cm]                   | 24 / 61  | 27 / 69                        | 19 / 48                        | 22 / 56                                      | 22 / 55  | 23 / 57  | 23 / 58  |
| Aspect Ratio                              | 16:10  | 16:9                           | 5:4                            | 16:10  | 16:9   | 16:10  | 16:9   |
| Brightness (typ.) [cd/m²]                 | 250  | 250                            | 250                            | 250  | 250  | 250  | 250  |
| Contrast (typ.)                           | 1000:1   | 1000:1                         | 1000:1                         | 1000:1                                       | 1000:1   | 1000:1   | 1000:1   |
| Viewing Angle Hor / Vert [°]              | 178 / 178  | 178 / 178                      | 178 / 178                      | 170 / 160                                    | 178 / 178  | 178 / 178  | 178 / 178  |
| Response Time (typ. G to G) [ms]          | 6  | 6                              | 6                              | 5  | 6  | 6  | 6  |
| Colours [Mio.]                            | 16.77  | 16.77                          | 16.77                          | 16.77  | 16.77  | 16.77  | 16.77  |
| Resolution at 60 Hz                       | 1920 x 1200  | 1920 x 1080                    | 1280 x 1024                    | 1680 x 1050                                  | 1920 x 1080  | 1920 x 1200  | 1920 x 1080  |
| Connectivity                              | DP, DVI-D, VGA   | DP,HDMI, VGA                   | DP, DVI-D, VGA                 | DP, DVI-D,<br>USB 2.0 (4 down, 1 up),<br>VGA | DP, DVI-D, HDMI,<br>USB 2.0 (1 down, 4 up),<br>VGA | DP, DVI-D, HDMI,<br>USB 3.1 (3 down, 1 up),<br>VGA       | DVI-D, HDMI,<br>USB 2.0 (4 down, 1 up),<br>DP, VGA |
| Power ON (factory setting) [W]            | 21   | 16                             | 16                             | 13   | 15   | 15   | 22   |
| Power Saving Mode [W]                     | 0.26   | 0.26                           | 0.35                           | 0.5  | 0.43   | 0.31   | 0.5  |
| Internal Power Supply                     | ●  | ●                              | ●                              | ●  | ●  | ●  | ●  |
| Height Adjustable Stand [mm]              | 110  | 130                            | 110                            | 130  | 130  | 150  | 130  |
| Other Ergonomics                          | tilt, swivel, rotate, low<br>blue light,<br>flicker free | tilt, swivel, rotate           | tilt, swivel, rotate           | tilt, swivel, rotate                         | tilt,swivel, rotate                                | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate                               |
| Bezel Width T - B / L - R [mm]            | 17.8 / 17.9  | 1*                             | 16.5 / 14.9                    | 15.8 / 13.9                                  | 15.8 / 14.7  | 0.8*   | 16.4 / 16.0  |
| Dimensions with stand<br>(W x H x D) [mm] | 556 x 394 x 214  | 610 x 377-507 x 282            | 408 x 386-496 x 214            | 504 x 384 x 218                              | 507 x 370 x 218                                    | 499 x 337-487 x 250                                      | 544 x 380-510 x 218                                |
| Weight with stand [kg]                    | 5.9  | 8.1                            | 5.9                            | 5.6  | 5.6  | 5.9  | 6.4  |
| NaViSet Administrator 2                   | ●  | ●                              | ●                              | ●  | ●  | ●  | ●  |

\* T / L - R



## EA Series | Commercial Enterprise

| MultiSync® Model                          | EA241WU  | EA241F   | EA245WMI-2   | EA242F  | EA271F   | EA272F   | EA271Q  | EA271U   |
|---|--|--|--|---|--|--|---|--|
| Order Code                                | 60004676 (BK),<br>60004677 (WH)                          | 60004786 (BK)<br>60004787 (WH)                           | 60004486 (BK)<br>60004488 (WH)                           | 60005032 (BK)<br>60005246 (WH)  | 60004304 (BK)<br>60004634 (WH)                           | 60005033 (BK)<br>60005247 (WH)                                     | 60004303 (BK)<br>60004650 (WH)                            | 60004302 (BK)<br>60004691 (WH)                           |
| Panel Technology                          | LED IPS TFT / W-LED                                      | LED IPS TFT / W-LED                                      | IPS / W-LED  | LED IPS TFT / W-LED   | AH-IPS / W - LED   | AH-IPS / W - LED   | PLS / W-LED   | IPS / W-LED  |
| Screen Size [inch / cm]                   | 24 / 61  | 24 / 61  | 24 / 61  | 24 / 61   | 27 / 69  | 27 / 69  | 27 / 68   | 27 / 68  |
| Aspect Ratio                              | 16:10  | 16:9   | 16:10  | 16:9  | 16:9   | 16:9   | 16:9  | 16:9   |
| Brightness (typ.) [cd/m²]                 | 300  | 250  | 300  | 250   | 250  | 250  | 350   | 350  |
| Contrast (typ.)                           | 1000:1   | 1000:1   | 1000:1   | 1000:1  | 1000:1   | 1000:1   | 1000:1  | 1300:1   |
| Viewing Angle Hor / Vert [°]              | 178 / 178  | 178 / 178  | 178 / 178  | 178 / 178   | 178 / 178  | 178 / 178  | 178 / 178   | 178 / 178  |
| Response Time (typ. G to G) [ms]          | 5  | 5  | 6  | 5   | 6  | 6  | 6   | 5  |
| Colours [Mio.]                            | 16.77  | 16.77  | 16.77  | 16.77   | 16.77  | 16.77  | 16.77   | 16.77  |
| Resolution at 60 Hz                       | 1920 x 1200  | 1920 x 1080  | 1920 x 1200  | 1920 x 1080   | 1920 x 1080  | 1920 x 1080  | 2560 x 1440   | 3840 x 2160  |
| Connectivity                              | DVI-D, DP, HDMI, VGA,<br>USB 3.1<br>(3 down, 1 up)       | DVI-D, DP, HDMI, VGA,<br>USB 3.1<br>(3 down, 1 up)       | DVI-D, DP, HDMI, D-Sub,<br>USB 3.0<br>(3 down, 1 up,.)   | USB Type C, DP,<br>DP out, HDMI,<br>USB 3.1 (3 down, 2 up),<br>D-Sub 15 pin | DVI-D, HDMI,<br>USB 3.1 (3 down, 1 up),<br>VGA           | USB Type C, DP,<br>DP out, HDMI,<br>USB 3.1 (3 down, 2 up),<br>VGA | USB Type C, DVI-D,<br>DP, HDMI,<br>USB 3.1 (3 down, 1 up) | USB Type C,<br>DP, HDMI,<br>USB 3.1 (3 down, 1 up)       |
| Power ON (factory setting) [W]            | 20   | 15   | 22   | 19  | 17   | 19   | 37  | 38   |
| Power Saving Mode [W]                     | 0.3  | 0.31   | 0.5  | 0.3   | 0.5  | 0.3  | 0.35  | 0.33   |
| Internal Power Supply                     | ●  | ●  | ●  | ●   | ●  | ●  | ●   | ●  |
| Height Adjustable Stand [mm]              | 150  | 150  | 150  | 150   | 150  | 150  | 150   | 150  |
| Other Ergonomics                          | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate,<br>low blue light,<br>flicker free                    | tilt, swivel, rotate,<br>low blue light,<br>flicker free | tilt, swivel, rotate,<br>low blue light,<br>flicker free           | tilt, swivel, rotate,<br>low blue light,<br>flicker free  | tilt, swivel, rotate,<br>low blue light,<br>flicker free |
| Bezel Width T - B / L - R [mm]            | 0.8*   | 0.8*   | 0.8*   | 0.8*  | 1*   | 0.8*   | 1*  | 1*   |
| Dimensions with stand<br>(W x H x D) [mm] | 532 x 365-515 x 250                                      | 538 x 337-487 x 250                                      | 532 x 365-515 x 250                                      | 538 x 337-487 x 250   | 610 x 377-527 x 250                                      | 610 x 377-527 x 250  | 612 x 378-528 x 250                                       | 612 x 378-528 x 250                                      |
| Weight with stand [kg]                    | 6.7  | 6.1  | 6.7  | 7   | 7.6  | 9.2  | 9.1   | 9.1  |
| NaViSet Administrator 2                   | ●  | ●  | ●  | ●   | ●  | ●  | ●   | ●  |

## EX Series | Speciality

## PA Series | Professional

| MultiSync® Model                           | EX241UN  | EX341R  | PA243W  | PA271Q   | PA311D  |
|--|--|---|---|--|---|
| Order Code                                 | 60004064(BK)<br>60004065 (WH)                      | 60004231 (BK)<br>60004499 (WH)                  | 60003860 (BK)<br>60004430 (WH)                      | 60004305   | 60004941  |
| Panel Technology                           | IPS / W-LED  | VA / W-LED curved                               | AH-IPS / GB-R LED                                   | AH-IPS / GB-R LED                                    | IPS / W-LED   |
| Screen Size [inch / cm]                    | 24 / 60  | 34 / 86   | 24 / 61   | 27 / 69  | 31 / 80   |
| Aspect Ratio                               | 16:9   | 21:9  | 16:10   | 16:9   | 16:10   |
| Colour Gamut<br>AdobeRGB/sRGB Coverage [%] | -  | -   | 107.3 / 112.4                                       | 107.3 / 112.4  | 107.3 / 112.4   |
| Brightness (typ.) [cd/m²]                  | 250  | 290   | 350   | 350  | 350   |
| Contrast (typ.)                            | 1000:1   | 3000:1  | 1000:1  | 1500:1   | 1500:1  |
| Viewing Angle Hor / Vert [°]               | 178 / 178  | 178 / 178                                       | 178 / 178   | 178 / 178  | 178 / 178   |
| Response Time (typ. G to G) [ms]           | 6  | 4   | 8   | 8  | 8   |
| Colours [Mio.]                             | 16.77  | 16.77   | 1074  | 1074   | 1074  |
| Resolution at 60 Hz                        | 1920 x 1080  | 3440 x 1440                                     | 1920 x 1200   | 2560 x 1440  | 4096 x 2160   |
| Connectivity                               | DVI-D, DP, D-Sub, HDMI,<br>USB 3.0 (3 down, 1 up)  | 2 DP, 2 HDMI, DP out,<br>USB 3.0 (4 down, 2 up) | DP, Mini DP, HDMI, DVI-D,<br>USB 2.0 (3 down, 2 up) | DP, DP out, Mini DP, HDMI,<br>USB 3.1 (3 down, 2 up) | USB Type C, DP, 2 HDMI 2.0; USB<br>3.1 (3 down, 3 up) |
| Power ON (factory setting) [W]             | 19   | 62  | 27  | 50   | 84  |
| Power Saving Mode [W]                      | 0.3  | 1.0   | 0.3   | 0.3  | 0.5   |
| Internal Power Supply                      | ●  | ●   | ●   | ●  | ●   |
| Height Adjustable Stand [mm]               | 100  | 130   | 150   | 150  | 150   |
| Other Ergonomics                           | tilt, swivel, rotate, low blue light, flicker free |   | tilt, swivel, rotate                                | tilt, swivel, rotate                                 | tilt, swivel, rotate                                  |
| Bezel Width T - B / L - R [mm]             | 0.8*   | 1.55*   | 17.9 / 17.9   | 20 / 20.3  | 22.1 / 19.3   |
| Dimensions with stand<br>(W x H x D) [mm]  | 538 x 370 x 204                                    | 808 x 419 x 230                                 | 556 x 379 x 233                                     | 640 x 396 - 546 x 233                                | 738 x 433 - 583 x 302                                 |
| Weight with stand [kg]                     | 5.6  | 10.5  | 8   | 9.7  | 14.9  |
| NaViSet Administrator 2                    | ●  | ●   | ●   | ●  | ●   |
| MultiProfiler Software                     | -  | -   | ●   | ●  | ●   |
| SpectraView II                             | -  | -   | ●   | ●  | ●   |

# Large Format Displays



Large Format Displays (LFD) are an indispensable part of digital signage, as well as for presentations and interactive meeting room applications. Sharp/NEC stands for a safe investment secured by high quality components and design, plus high operational safety. With a broad choice of LFD ranges and numerous customisation options, Sharp/NEC delivers tailor-made display solutions.

**3** YEARS WARRANTY  
**UP TO 5** YEARS OPTIONAL WARRANTY



## Essential Displays

E Series Cost-efficient signage for essential demands at a low TCO

## Midrange Displays

ME Series Essential professional features for entry level usage  
 C Series Seamless integration with the slimmest NEC large format displays  
 V Series Price performance champion for flexible and reliable signage  
 M Series Enhanced performance for demanding mainstream applications  
 MA Series Advanced performance for high-end or mission-critical environments

## Professional Displays

P Series The definition of digital signage, supporting the highest demands

## Signage Solutions

BrightSign Bundles V Series display with Brightsign OPS digital signage media player  
 NEC MediaPlayer Bundles Modular SoC MediaPlayer for intuitive plug-and-play digital signage

## Video Wall Displays

UN Series Modular and flexible vast screen surfaces  
 UX Series Highest reliability and redundancy for mission-critical operation

## High Brightness Displays

HB Series Highest reliability and redundancy for mission-critical operation

## Stretched Signage Displays

BT Series Designed to meet the demands of the most space conscious digital signage applications

## E Series | Essential Displays

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Enter the world of digital signage with NEC's prosumer displays. Designed to bring NEC's heritage of performance and quality to cost-conscious yet demanding customers, the E Series perfectly suits basic signage applications. Operating standalone via an integrated Media Player, signage starts automatically with the embedded auto-start function.

32" to 65"

E Series



## ME Series | Midrange Displays

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With commercial-grade components, professional feature-set and Sharp/NEC reliability, the low-cost ME Series means no one need be tempted to employ domestic TVs which are not fit for purpose. Primed with an integrated USB MediaPlayer, you're out-of-the-box ready for impactful content playback.

43" to 65"

ME Series



## C & V Series | Midrange Displays

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Present impactful advertising, entertainment and information with Sharp/NEC's reliable display solutions, achieving the lowest operational investment. The slim design with small bezel styling perfectly complements modern surroundings whilst multiple display inputs and the smart connection of computing sources, power impressive signage applications.

32" to 98"

C Series  
V Series



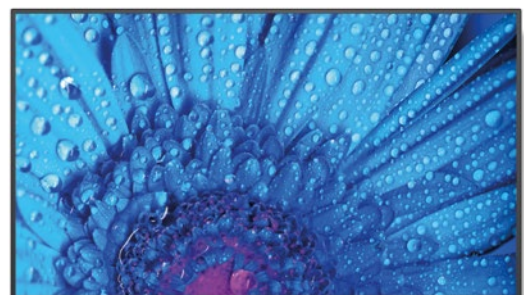
## M Series | Midrange Displays

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Featuring scalable computing power, the M Series is customisable to meet your needs today and tomorrow for exceptional visual experiences in the meeting room or for delivering real-time media playback in demanding signage applications. The high haze panel means no distracting reflections.

43" to 65"

M Series



## MA Series | Midrange Displays

When true-to-life colour rendition is essential, the MA Series' advanced feature set delivers calibrated precision, without compromise. For specialist applications the wide colour gamut panel, SpectraView engine technology, and 8K signal processing positions the MA series at the high end of professional content delivery.

43" to 55"

MA Series



## P Series | Professional Displays

Setting the standard for professional digital signage and information distribution applications, the P Series meets the highest demands for colour reproduction with operational safety and durability appropriate even for mission critical applications. The modular and scalable platform secures a futureproof investment - Digital Signage has never been so persuasive.

43" to 75"

P Series



## BrightSign Bundles | Digital Signage Solutions

In collaboration with industry-leader BrightSign, our digital signage bundles include an OPS digital signage media player, fully integrated into the full range of NEC V Series large format displays providing 500cd/m2 brightness and anti-glare surface for a neat and seamless all-in-one solution.

75" to 98"

V Series-BS



## NEC MediaPlayer Bundles | Digital Signage Solutions

Pre-installed FOC on the NEC RaspberryPi Compute module, the NEC MediaPlayer offers a future-proof customisable solution. Seamlessly embedded into the majority of NEC's large format displays, this digital signage bundle is primed and ready for intuitive professional content playback.

43" to 65"

ME, M, MA, P Series-MPi4



## UN Series | Video Wall

Adaptable, scalable and modular, Sharp/NEC video wall solutions offer unlimited creativity in delivering a seamless viewing experience. Responding to all high quality demands such as 24/7 operation, centralised control, colour accuracy and uniformity; the Sharp/NEC offering also includes pre-configuration and mounting solutions, content management and after sales support.

46" to 55"

UN Series



1080P  
FULLHD IMAGE



## UX Series | Video Wall

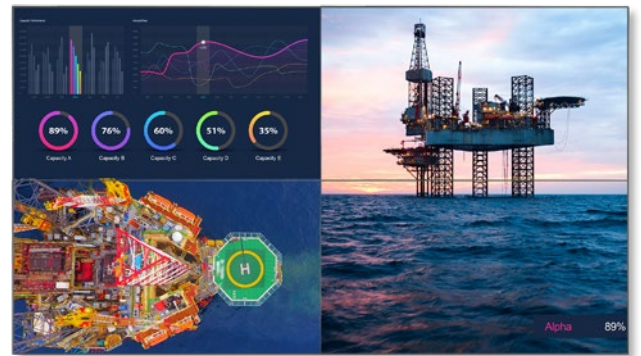
The NEC UX Series video wall displays offer scalability and an open modular design for flexible installation. Designed to provide best and highest reliability for mission-critical applications, the UX Series supports the connection of an additional power supply unit providing a high degree of redundancy, especially for control rooms where seamless 24/7 operation is essential.

55"

UX Series



1080P  
FULLHD IMAGE



## HB Series | High Brightness

Stunning visibility is guaranteed with NEC's High Bright displays. For any heavy duty digital signage application in store front windows or light drenched atrium spaces, the HB displays maintain high reliability and stable image quality with auto-adjust brightness levels to ensure constant readability in any lighting conditions whilst minimising power consumption.

55" to 75"

HB Series



1080P  
FULLHD IMAGE



| Performance | 16/7  | 18/7   | 24/7   |   |  |   |  |  |   |
|-------------|---|--|--|---|--|---|--|--|---|
|             | Essential   | Midrange   |  | High End  |  | Special   |  |  |   |
|             | <b>E</b><br>SERIES<br><br>ESSENTIAL<br><br>32" - 65"<br>350 cd/m <sup>2</sup> | <b>ME</b><br>SERIES<br><br>MESSAGE ESSENTIAL<br><br>43" - 65"<br>400 cd/m <sup>2</sup> | <b>M</b><br>SERIES<br><br>MESSAGE<br><br>43" - 65"<br>500 cd/m <sup>2</sup><br><br><b>V323-3</b><br><br>32"<br>450 cd/m <sup>2</sup> | <b>MA</b><br>SERIES<br><br>MESSAGE ADVANCED<br><br>43" - 55"<br>500 cd/m <sup>2</sup> | <b>P</b><br>SERIES<br><br>PROFESSIONAL<br><br>43" - 55"<br>700 cd/m <sup>2</sup> | <b>C/V/P</b><br>SERIES<br><br>LARGE SIZES<br><br>75", 86", 98"<br>350 - 700 cd/m <sup>2</sup> | <b>UN</b><br>SERIES<br><br>VIDEOWALL<br><br>46" - 55"<br>500 - 700 cd/m <sup>2</sup> | <b>BT</b><br>SERIES<br><br>STRETCHED<br><br>42"<br>700 cd/m <sup>2</sup> | <b>X HB</b><br>SERIES<br><br>HIGH BRIGHTNESS<br><br>55" - 75"<br>Up to 2700 cd/m <sup>2</sup> |
|             |   |  |  |   |  |   |  |  |   |

## E Series | Essential Displays

| MultiSync® Model                        | E328                                   | E438             | E498                                   | E558              | E658                                 |
|---|--|------------------|--|-------------------|--------------------------------------|
| Order Code                              | 60005270                               | 60005045         | 60005052                               | 60005054          | 60005059                             |
| Panel Technology                        | IPS / Direct LED                       | IPS / Direct LED | IPS / Direct LED                       | IPS / Direct LED  | IPS / Direct LED                     |
| Screen Size [inch / cm]                 | 32 / 80                                | 43 / 108         | 49 / 123                               | 55 / 139          | 65 / 164                             |
| Brightness (max.) [cd/m <sup>2</sup> ]  | 350                                    | 350              | 350                                    | 350               | 350                                  |
| Contrast (typ.)                         | 1200:1                                 | 1200:1           | 1200:1                                 | 1200:1            | 1200:1                               |
| Viewing Angle horizontal / vertical [°] | 178 / 178                              | 178 / 178        | 178 / 178                              | 178 / 178         | 178 / 178                            |
| Response Time (typ. G to G) [ms]        | 8                                      | 8                | 8                                      | 8                 | 8                                    |
| Haze Level (%)                          | Standard (1)                           | Standard (1)     | Standard (1)                           | Standard (1)      | Standard (1)                         |
| Supported orientation                   | Landscape                              | Landscape        | Landscape                              | Landscape         | Landscape                            |
| Native Resolution                       | 1920 x 1080                            | 3840 x 2160      | 3840 x 2160                            | 3840 x 2160       | 3840 x 2160                          |
| Connectivity                            | 3 HDMI, VGA                            | 3 HDMI, VGA      | 3 HDMI, VGA                            | 3 HDMI, VGA       | 3 HDMI, VGA                          |
| Power Consumption shipping [W]          | 33                                     | 72               | 109                                    | 105               | 144                                  |
| Power Savings Mode [W]                  | <0.5                                   | <0.5             | <0.5                                   | <0.5              | <0.5                                 |
| Dimensions (W x H x D) [mm]             | 727 x 422 x 67                         | 970 x 560 x 71   | 1103 x 608 x 72                        | 1238.6 x 718 x 72 | 1458 x 834 x 73                      |
| Weight [kg]                             | 5.3                                    | 8.9              | 12.4                                   | 16.8              | 23.8                                 |
| Bezel Width [mm]                        | 12.5 (left, right, top); 13.9 (bottom) |                  | 12.5 (left, right, top); 13.9 (bottom) |                   | 13 (left, right, top); 14.4 (bottom) |
| Integrated Speakers                     | 2x 5 W                                 | 2x 10 W          | 2x 10 W                                | 2x 10 W           | 2x 10 W                              |
| NaViSet Administrator 2                 | •                                      | •                | •                                      | •                 | •                                    |

## ME Series | Midrange Displays

## C Series | Midrange Displays

| MultiSync® Model                        | ME431                            | ME501               | ME551               | ME651                            | C751Q                   | C861Q                    | C981Q                   |
|---|----------------------------------|---------------------|---------------------|----------------------------------|-------------------------|--------------------------|-------------------------|
| Order Code                              | 60005048                         | 60005053            | 60005052            | 60005062                         | 60004315                | 60004031                 | 60004516                |
| Order Code with MPI4                    | 60005372                         | 60005373            | 60005052            | 60005375                         | -                       | -                        | -                       |
| Panel Technology                        | IPS / Direct LED                 | VA / Direct LED     | IPS / Direct LED    | IPS / Direct LED                 | IPS / Edge LED          | IPS / Edge LED           | IPS / Direct LED        |
| Screen Size [inch / cm]                 | 43 / 108                         | 50 / 126            | 55 / 139            | 65 / 164                         | 75 / 190                | 86 / 217                 | 98 / 249                |
| Brightness (max.) [cd/m <sup>2</sup> ]  | 400                              | 400                 | 400                 | 400                              | 350                     | 350                      | 350                     |
| Contrast (typ.)                         | ≥ 8000:1                         | ≥ 8000:1            | ≥ 8000:1            | ≥ 8000:1                         | 1200:1                  | 1200:1                   | 1300:1                  |
| Viewing Angle horizontal / vertical [°] | 178 / 178                        | 178 / 178           | 178 / 178           | 178 / 178                        | 178 / 178               | 178 / 178                | 178 / 178               |
| Response Time (typ. G to G) [ms]        | 8                                | 8                   | 8                   | 8                                | 8                       | 8                        | 8                       |
| Haze Level (%)                          | Standard (1)                     | Standard (1)        | Standard (1)        | Standard (1)                     | Pro (28)                | Pro (28)                 | Pro (28)                |
| Supported orientation                   | Landscape, Portrait              | Landscape, Portrait | Landscape, Portrait | Landscape, Portrait              | Landscape, Portrait     | Landscape, Portrait      | Landscape, Portrait     |
| Native Resolution                       | 3840 x 2160                      | 3840 x 2160         | 3840 x 2160         | 3840 x 2160                      | 3840 x 2160             | 3840 x 2160              | 3840 x 2160             |
| Connectivity                            | 2 HDMI, DP                       | 2 HDMI, DP          | 2 HDMI, DP          | 2 HDMI, DP                       | 3 HDMI, DP: 2 In, 1 Out | 3 HDMI, DP: 2 In, 1 Out  | 3 HDMI, DP: 2 In, 1 Out |
| Slot-In Option                          | Intel® SDM; RPi Compute Module 4 |                     |                     | Intel® SDM; RPi Compute Module 4 |                         | OPS, Compute Module Slot |                         |
| Power Consumption shipping [W]          | 80                               | 85                  | 120                 | 165                              | 195                     | 230                      | 240                     |
| Power Savings Mode [W]                  | <0.5                             | <0.5                | <0.5                | <0.5                             | <0.5                    | <0.5                     | <0.5                    |
| Dimensions (W x H x D) [mm]             | 973 x 561 x 63                   | 1128 x 649 x 63     | 1242 x 713 x 63     | 1462 x 837 x 68                  | 1681 x 960 x 71         | 1928 x 1099 x 74         | 2194 x 1249 x 93        |
| Weight [kg]                             | 13.9                             | 17.3                | 19.8                | 29.4                             | 53.0                    | 57.8                     | 90                      |
| Bezel Width [mm]                        | 13.9                             | 14.9                | 13.9                | 14.9                             | 14.8                    | 15.3                     | 15.9                    |
| Integrated Speakers                     | 2x 10 W                          | 2x 10 W             | 2x 10 W             | 2x 10 W                          | 2 x 10 W                | 2 x 10 W                 | 2 x 10 W                |
| NaViSet Administrator 2                 | •                                | •                   | •                   | •                                | •                       | •                        | •                       |

## C Series | Midrange Displays

## V Series | Midrange Displays

| MultiSync® Model                       | C750Q               | C860Q               | V323-3                      | V754Q                        | V864Q                        | V984Q                   |
|--|---------------------|---------------------|-----------------------------|------------------------------|------------------------------|-------------------------|
| Order Code                             | 60005460            | 60005461            | 60004529                    | 60004317                     | 60004037                     | 60004318                |
| Order Code with MPI3                   | -                   | -                   | -                           | -                            | -                            | -                       |
| Order code with BrightSign Player      | -                   | -                   | -                           | 40001493                     | 40001492                     | 40001494                |
| Panel Technology                       | IPS / Edge LED      | IPS / Edge LED      | S-IPS / Edge LED            | IPS / Edge LED               | IPS / Edge LED               | IPS / Direct LED        |
| Screen Size [inch / cm]                | 75 / 190            | 86 / 217            | 32 / 80                     | 75 / 190                     | 86 / 217                     | 98 / 249                |
| Brightness (max.) [cd/m <sup>2</sup> ] | 350                 | 350                 | 450                         | 500                          | 500                          | 500                     |
| Contrast (typ.)                        | 1200:1              | 1200:1              | 1300:1                      | 1200:1                       | 1200:1                       | 1300:1                  |
| Viewing Angle Hor / Ver [°]            | 178 / 178           | 178 / 178           | 178 / 178                   | 178 / 178                    | 178 / 178                    | 178 / 178               |
| Response Time (typ. G to G) [ms]       | 8                   | 8                   | 8                           | 8                            | 8                            | 8                       |
| Haze Level (%)                         | Pro (28)            | Pro (28)            | Standard (3)                | Pro (28)                     | Pro (28)                     | Pro (28)                |
| Supported orientation                  | Landscape, Portrait | Landscape, Portrait | Landscape, Portrait         | Landscape, Portrait, Face Up | Landscape, Portrait, Face Up |                         |
| Native Resolution                      | 3840 x 2160         | 3840 x 2160         | 1920 x 1080                 | 3840 x 2160                  | 3840 x 2160                  | 3840 x 2160             |
| Connectivity                           | 2 HDMI, DP: 1 In    | 2 HDMI, DP: 1 In    | HDMI, DP, DVI-D In/Out, VGA | 3 HDMI, DP: 2 In, 1 Out      | 3 HDMI, DP: 2 In, 1 Out      | 3 HDMI, DP: 2 In, 1 Out |
| Slot-In Option                         | OPS                 | OPS                 | OPS                         | OPS, Compute Module Slot     | OPS, Compute Module Slot     |                         |
| Power Consumption shipping [W]         | 195                 | 230                 | 49                          | 155                          | 230                          | 380                     |
| Power Savings Mode [W]                 | <0.5                | <0.5                | <0.5                        | <0.5                         | <0.5                         | <0.5                    |
| Dimensions (W x H x D) [mm]            | 1681 x 960 x 71     | 1928 x 1099 x 74    | 750 x 444 x 60              | 1681 x 960 x 71              | 1928 x 1099 x 74             | 2194 x 1249 x 93        |
| Weight [kg]                            | 53.0                | 57.8                | 9                           | 53.0                         | 57.8                         | 90                      |
| Bezel Width [mm]                       | 14.8                | 15.3                | 24.0                        | 14.8                         | 15.3                         | 15.9                    |
| Integrated Speakers                    | 2 x 10 W            | 2 x 10 W            | 1 x 8 W                     | 2 x 10 W                     | 2 x 10 W                     | 2 x 10 W                |
| NaViSet Administrator 2                | •                   | •                   | •                           | •                            | •                            | •                       |
| SpectraView Engine                     | -                   | -                   | -                           | •                            | •                            | •                       |

## M Series | Midrange Displays

## MA Series | Midrange Displays

| MultiSync® Model                       | M431                                    | M491   | M551   | M651   | MA431                                   | MA491  | MA551  |
|--|---|--|--|--|---|--|--|
| Order Code                             | 60005047                                | 60005051                                       | 60005055                                       | 60005061                                       | 60005046                                | 60005050                                       | 60005056                                       |
| Order Code with MPI4                   | 60005380                                | 60005381                                       | 60005382                                       | 60005383                                       | 60005384                                | 60005370                                       | 60005371                                       |
| Panel Technology                       | IPS / Direct LED                        | IPS / Direct LED                               | IPS / Direct LED                               | IPS / Direct LED                               | IPS / Direct LED                        | IPS / Direct LED                               | IPS / Direct LED                               |
| Screen Size [inch / cm]                | 43 / 108                                | 49 / 123                                       | 55 / 139                                       | 65 / 164                                       | 43 / 108                                | 49 / 124                                       | 55 / 139                                       |
| Brightness (max.) [cd/m <sup>2</sup> ] | 500                                     | 500  | 500  | 500  | 500                                     | 500  | 500  |
| Contrast (typ.)                        | ≥ 8000:1                                | ≥ 8000:1                                       | ≥ 8000:1                                       | ≥ 8000:1                                       | ≥ 8000:1                                | ≥ 8000:1                                       | ≥ 8000:1                                       |
| Viewing Angle Hor / Ver [°]            | 178 / 178                               | 178 / 178                                      | 178 / 178                                      | 178 / 178                                      | 178 / 178                               | 178 / 178                                      | 178 / 178                                      |
| Response Time (typ. G to G) [ms]       | 8                                       | 8  | 8  | 8  | 8                                       | 8  | 8  |
| Haze Level (%)                         | Pro (28)                                | Pro (28)                                       | Pro (28)                                       | Pro (28)                                       | Pro (28)                                | Pro (28)                                       | Pro (28)                                       |
| Supported orientation                  | Landscape, Portrait                     | Landscape, Portrait                            | Landscape, Portrait                            | Landscape, Portrait                            | Landscape, Portrait, Face up            |  |  |
| Native Resolution                      | 3840 x 2160                             | 3840 x 2160                                    | 3840 x 2160                                    | 3840 x 2160                                    | 3840 x 2160                             | 3840 x 2160                                    | 3840 x 2160                                    |
| Connectivity                           | 2 HDMI, DP                              | 2 HDMI, DP                                     | 2 HDMI, DP                                     | 2 HDMI, DP                                     | HDMI: 2 In, 1 Out; DP: 2 In, 1 Out      |  |  |
| Slot-In Option                         | Intel® SDM; RPi Compute Module 4        |  |  |  | Intel® SDM; RPi Compute Module 4        |  |  |
| Power Consumption shipping [W]         | 80                                      | 80   | 110  | 120  | 70                                      | 85   | 90   |
| Power Savings Mode [W]                 | <0.5                                    | <0.5   | <0.5   | <0.5   | <0.5                                    | <0.5   | <0.5   |
| Dimensions (W x H x D) [mm]            | 968 x 561 x 67                          | 1103 x 636 x 61                                | 1240 x 713 x 61                                | 1458 x 836 x 63                                | 968 x 561 x 67                          | 1103 x 636 x 61                                | 1240 x 713 x 61                                |
| Weight [kg]                            | 17.8                                    | 21.8   | 26.4   | 37.1   | 18.5                                    | 22.9   | 27.6   |
| Bezel Width [mm]                       | 11 (left, right, top);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) | 11 (left, right, top);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) |
| Integrated Speakers                    | 2 x 10 W                                | 2 x 10 W                                       | 2 x 10 W                                       | 2 x 10 W                                       | -                                       | -  | -  |
| NaViSet Administrator 2                | •                                       | •  | •  | •  | •                                       | •  | •  |
| SpectraView Engine                     | -                                       | -  | -  | -  | •                                       | •  | •  |

| MultiSync® Model                       | P435                                    | P495   | P555   | P754Q                        | X554HB                        | X754HB             | BT421                    |
|--|---|--|--|------------------------------|-------------------------------|--------------------|--------------------------|
| Order Code                             | 60005141                                | 60005049                                       | 60005058                                       | 60004316                     | 60003912                      | 60003913           | 60004365                 |
| Order Code with MPI4                   | 60005376                                | 60005377                                       | 60005378                                       | -                            | -                             | -                  | -                        |
| Panel Technology                       | IPS / Edge LED                          | IPS / Edge LED                                 | IPS / Edge LED                                 | IPS / Edge LED               | S-PVA / Direct LED            | S-PVA / Direct LED | VA / Direct LED          |
| Screen Size [inch / cm]                | 43 / 108                                | 49 / 125                                       | 55 / 139                                       | 75 / 190                     | 55 / 140                      | 75 / 191           | 42 / 107                 |
| Brightness (max.) [cd/m <sup>2</sup> ] | 700                                     | 700  | 700  | 650                          | 2700                          | 2500               | 700                      |
| Contrast (typ.)                        | ≥ 8000:1                                | ≥ 8000:1                                       | ≥ 8000:1                                       | 1200:1                       | 5000:1                        | 5000:1             | 4000:1                   |
| Viewing Angle Hor / Ver [°]            | 178 / 178                               | 178 / 178                                      | 178 / 178                                      | 178 / 178                    | 178 / 178                     | 178 / 178          | 178 / 178                |
| Response Time (typ. G to G) [ms]       | 8                                       | 8  | 8  | 8                            | 6                             | 6                  | 8                        |
| Haze Level (%)                         | Pro (28)                                | Pro (28)                                       | Pro (28)                                       | Pro (28)                     | Standard (1)                  | Standard (1)       | Pro (44)                 |
| Supported Orientation                  | Landscape, Portrait, Face Up, Face Down |  |  | Landscape, Portrait, Face Up | Landscape, Portrait           |                    | Landscape, Portrait      |
| Native Resolution                      | 3840 x 2160                             | 3840 x 2160                                    | 3840 x 2160                                    | 3840 x 2160                  | 1920 x 1080                   | 1920 x 1080        | 1920 x 480               |
| Connectivity                           | HDMI: 2 In, 1 Out; DP 2 In, 1 Out       |  |  | 3 HDMI, DP: 2 In, 1 Out      | DP In/Out, HDMI, DVI-D, VGA   |                    | DVI: 2 In, 1 Out, LAN    |
| Slot-In Option                         | Intel® SDM; RPi Compute Module 4        |  |  | OPS, Compute Module Slot     | OPS, Interface Extension Slot |                    | -                        |
| Power Consumption shipping [W]         | 90                                      | 105  | 110  | 195                          | 310                           | 540                | 50                       |
| Power Savings Mode [W]                 | <0.5                                    | <0.5   | <0.5   | <0.5                         | <0.5                          | <0.5               | < 0.5                    |
| Dimensions (W x H x D) [mm]            | 968 x 561 x 67                          | 1103 x 636 x 61                                | 1240 x 713 x 61                                | 1681 x 960 x 71              | 1253 x 724 x 137              | 1694 x 972 x 146   | 1060 x 289 x 65          |
| Weight [kg]                            | 18.5                                    | 22.9   | 27.6   | 53.0                         | 32.6                          | 58                 | 9.3                      |
| Bezel Width [mm]**                     | 11 (left, right, top);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) | 12 (top); 12.5 (left, right);<br>15.6 (bottom) | 14.8                         | 19.5                          | 19.5               | 7.9 L+R / 9.8 T / 14.7 B |
| Integrated Speakers                    | -                                       | -  | -  | 2 x 10 W                     | 2 x 10 W                      | 2 x 10 W           | -                        |
| NaViSet Administrator 2                | •                                       | •  | •  | •                            | •                             | •                  | •                        |
| SpectraView Engine                     | •                                       | •  | •  | •                            | -                             | -                  | -                        |

UN | UX Series | Video Wall

| MultiSync® Model                       | UN462A                             | UN462VA          | UN552A              | UN552            | UN552V                             | UN552S           | UN552VS             | UX552            |
|--|------------------------------------|------------------|---------------------|------------------|------------------------------------|------------------|---------------------|------------------|
| Order Code                             | 60004517                           | 60004518         | 60004525            | 60004884         | 60004882                           | 60004523         | 60004524            | 60004526         |
| Panel Technology                       | VA / Direct LED                    | VA / Direct LED  | VA / Direct LED     | IPS / Direct LED | IPS / Direct LED                   | IPS / Direct LED | IPS / Direct LED    | VA / Direct LED  |
| Screen Size [inch / cm]                | 46 / 117                           | 46 / 117         | 55 / 140            | 55 / 140         | 55 / 140                           | 55 / 140         | 55 / 140            | 55 / 140         |
| Brightness (Max.) [cd/m <sup>2</sup> ] | 700                                | 500              | 700                 | 700              | 500                                | 700              | 500                 | 700              |
| Contrast (typ.)                        | 3500:1                             | 3500:1           | 4000:1              | 1200:1           | 1200:1                             | 1100:1           | 1100:1              | 4000:1           |
| Viewing Angle Hor / Vert [°]           | 178 / 178                          | 178 / 178        | 178 / 178           | 178 / 178        | 178 / 178                          | 178 / 178        | 178 / 178           | 178 / 178        |
| Response Time (typ. G to G) [ms]       | 8                                  | 8                | 8                   | 8                | 8                                  | 8                | 8                   | 8                |
| Haze Level (%)                         | Pro (25)                           | Pro (25)         | Pro (28)            | Pro (28)         | Pro (28)                           | Pro (28)         | Pro (28)            | Pro (25)         |
| Supported Orientation                  | Landscape, Portrait                |                  | Landscape, Portrait |                  | Landscape, Portrait                |                  | Landscape, Portrait |                  |
| Native Resolution                      | 1920 x 1080                        | 1920 x 1080      | 1920 x 1080         | 1920 x 1080      | 1920 x 1080                        | 1920 x 1080      | 1920 x 1080         | 1920 x 1080      |
| Connectivity                           | DP In/Out, HDMI In/Out, DVI-D, VGA |                  |                     |                  | DP In/Out, HDMI In/Out, DVI-D, VGA |                  |                     |                  |
| Slot-In Option                         | OPS, Compute Module Slot           |                  |                     |                  | OPS, Compute Module Slot           |                  |                     |                  |
| Power Consumption shipping [W]         | 125                                | 90               | 195                 | 150              | 110                                | 165              | 160                 | 195              |
| Power Savings Mode [W]                 | <0.5                               | <0.5             | <0.5                | <0.5             | <0.5                               | <0.5             | <0.5                | <0.5             |
| Dimensions (W x H x D) [mm]            | 1022 x 577 x 101                   | 1022 x 576 x 101 | 1214 x 684 x 100    | 1213 x 684 x 104 | 1213 x 684 x 104                   | 1211 x 682 x 99  | 1211 x 682 x 99     | 1214 x 684 x 100 |
| Weight [kg]                            | 21.8                               | 21.8             | 28.5                | 25.5             | 25.5                               | 25.8             | 25.8                | 29.3             |
| Bezel Width T - L / B - R [mm]*        | 2.3 / 1.2                          | 2.3 / 1.2        | 2.3 / 1.2           | 2.3 / 1.2        | 2.3 / 1.2                          | 0.44 / 0.44      | 0.44 / 0.44         | 2.3 / 1.2        |
| NaViSet Administrator 2                | •                                  | •                | •                   | •                | •                                  | •                | •                   | •                |
| SpectraView Engine                     | •                                  | •                | •                   | •                | •                                  | •                | •                   | •                |
| NEC Display Wall Calibrator            | •                                  | •                | •                   | •                | •                                  | •                | •                   | •                |



# Protective & Mirror Glass | Colour Options



32" to 98"

Protective Glass

43" to 55"

Mirror Glass

32" to 98"

Colour Options

**3** YEARS WARRANTY  
**UP TO 5** YEARS OPTIONAL WARRANTY

## Protective Glass Displays

Ensuring operational safety even under the toughest conditions, NEC Protective Glass screens deliver superb readability and image clarity whilst protecting your investment. An upgrade path available on many NEC display series, Protective Glass is advisable for signage applications in public spaces protecting against vandalism and accidental damage.

## Mirror Glass Displays

Generating a captivating interplay between a real mirror and a signage screen, this exciting two-in-one display enhances the customer experience. By blending the benefits of a digital signage display with the visual clarity of a fitting room mirror, the Mirror Glass Display appeals to retailers seeking to engage their customers whilst affecting sales uplift.

## Customisable Bezel Colour

Colour match the display frame to complement your interior aesthetic. To draw attention or to conceal, or to reflect your corporate identify; choose any colour from the RAL chart. Using professional spray-painting techniques, your display is ready to install out of the box, with all the NEC quality you expect.

Available for V, M, MA and P Series.



## Protective Glass Displays

| MultiSync® Model  | ME431 PG                                   | ME551 PG              | ME651 PG              | V323-3 PG      | V754Q PG        | V864Q PG         |
|---|--|-----------------------|-----------------------|----------------|-----------------|------------------|
| Order Code  | 60005100                                   | 60005107              | 60005111              | 60004993       | 60004584        | 60004585         |
| Base Model  | ME431                                      | ME551                 | ME651                 | V323-2         | V754Q           | V864Q            |
| <b>All specs same as base model except for those listed below</b> |  |                       |                       |                |                 |                  |
| Dimensions (W x H x D) [mm]                                       | 973 x 561.2 x 62.6                         | 1241.8 x 712.6 x 62.6 | 1462.3 x 837.3 x 68.1 | 750 x 445 x 67 | 1694 x 972 x 93 | 1940 x 1111 x 86 |
| Weight [kg]   | 13.9                                       | 19.8                  | 29.4                  | 12.2           | 73              | 89.4             |
| Bezel Width T-B / L-R [mm]  | 13.9                                       | 13.9                  | 14.9                  | 24.0 / 24.0    | 15.8 / 15.8     | 16.3 / 16.3      |
| Glass Type  | Conturan® glass by Schott                  |                       |                       |                |                 |                  |
| Glass Thickness [mm]  | 4  | 4                     | 4                     | 4              | 5               | 6                |
| Coating   | Security Glass with anti-reflexion coating |                       |                       |                |                 |                  |
| Light Transmission [%]  | 97   | 97                    | 97                    | 97             | 96              | 96               |
| Reflection Rate [%]   | <1   | <1                    | <1                    | <1             | <1              | <1               |

## Protective Glass Displays

| MultiSync® Model  | V984Q PG                                   | M431 PG                                    | M491 PG   | M551 PG   | M651 PG   | MA431 PG                                   |
|---|--|--|---|---|---|--|
| Order Code  | 60004780                                   | 60005099                                   | 60005103  | 60005251  | 60005110  | 60005098                                   |
| Base Model  | V984Q                                      | M431                                       | M491  | M551  | M651  | MA431                                      |
| <b>All specs same as base model except for those listed below</b> |  |  |   |   |   |  |
| Dimensions (W x H x D) [mm]                                       | 2205 x 1259 x 104                          | 968.2 x 561 x 67.1                         | 1103.4 x 636.2 x 61.1                             | 1239.6 x 713 x 61.1                               | 1458.4 x 836.2 x 62.6                             | 968.2 x 561 x 67.1                         |
| Weight [kg]   | 130  | 17.8                                       | 21.8  | 26.4  | 37.1  | 18.5                                       |
| Bezel Width T-B / L-R [mm]  | 17.15 / 17.15                              | 11 (left, right and top);<br>15.6 (bottom) | 12 (top); 12.5 (left and right);<br>15.6 (bottom) | 12 (top); 12.5 (left and right);<br>15.6 (bottom) | 12 (top); 12.5 (left and right);<br>15.6 (bottom) | 11 (left, right and top);<br>15.6 (bottom) |
| Glass Type  | Conturan® glass by Schott                  |  |   |   |   |  |
| Glass Thickness [mm]  | 6  | 4  | 4   | 4   | 5   | 4  |
| Coating   | Security Glass with anti-reflexion coating |  |   |   |   |  |
| Light Transmission [%]  | 96   | 97   | 97  | 97  | 97  | 97   |
| Reflection Rate [%]   | <1   | <1   | <1  | <1  | <1  | <1   |

## Protective Glass Displays

| MultiSync® Model  | MA491 PG  | MA551 PG  | P435 PG                                    | P495 PG  | P555 PG   | P754Q PG        |
|---|---|---|--|--|---|-----------------|
| Order Code  | 60005102  | 60005106  | 60005421                                   | 60005101   | 60005108  | 60004582        |
| Base Model  | MA491   | MA551   | P435                                       | P495   | P555  | P754Q           |
| <b>All specs same as base model except for those listed below</b> |   |   |  |  |   |                 |
| Dimensions (W x H x D) [mm]                                       | 1103.4 x 636.2 x 61.1                             | 1239.6 x 713 x 61.1                               | 968.2 x 561 x 67.1                         | 1103.4 x 636.2 x 61.1  | 1239.6 x 713 x 61.1                               | 1694 x 972 x 93 |
| Weight [kg]   | 22.9  | 27.6  | 18.5                                       | 22.9   | 27.6  | 73              |
| Bezel Width T-B / L-R [mm]  | 12 (top); 12.5 (left and right);<br>15.6 (bottom) | 12 (top); 12.5 (left and right);<br>15.6 (bottom) | 11 (left, right and top);<br>15.6 (bottom) | 12 (top and bottom); 12.5 (left<br>and right); 15.6 (bottom) | 12 (top); 12.5 (left and right);<br>15.6 (bottom) | 15.8 / 15.8     |
| Glass Type  | Conturan® glass by Schott                         |   |  |  |   |                 |
| Glass Thickness [mm]  | 5   | 4   | 4  | 4  | 4   | 5               |
| Coating   | Security Glass with anti-reflexion coating        |   |  |  |   |                 |
| Light Transmission [%]  | 97  | 97  | 97   | 97   | 97  | 96              |
| Reflection Rate [%]   | <1  | <1  | <1   | <1   | <1  | <1              |

## Mirror Glass Displays

| MultiSync® Model  | P435 MG   | P495 MG  | P555 MG   |
|---|---|--|---|
| Order Code  | TBD   | TBD  | 60005449  |
| Base Model  | P435  | P495   | P555  |
| <b>All specs same as base model except for those listed below</b> |   |  |   |
| Dimensions (W x H x D) [mm]                                       | 968.2 x 561 x 67.1  | 1103.4 x 636.2 x 61.1  | 1239.6 x 713 x 61.1                               |
| Weight [kg]   | 18.5  | 22.9   | 27.6  |
| Bezel Width T-B / L-R [mm]  | 11 (left, right and top);<br>15.6 (bottom)                    | 12 (top and bottom); 12.5 (left<br>and right); 15.6 (bottom) | 12 (top); 12.5 (left and right);<br>15.6 (bottom) |
| Glass Type  | Semi-transparent mirrored glass Mirona® by Schott             |  |   |
| Glass Thickness [mm]  | 4   | 4  | 4   |
| Coating   | Float glass coated on both sides with high reflective coating |  |   |
| Light Transmission [%]  | 97  | 97   | 97  |
| Reflection Rate [%]   | -   | -  | -   |

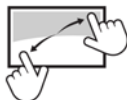
# Interactive Displays



Intuitive touch engagement attracts and stimulates for a pleasing and more satisfying user experience. Collaboration in meeting rooms, interactive video walls and signage, wayfinding and POS/POI - Sharp/NEC's comprehensive range of interactive large format displays offer the technology appropriate for varied applications ensuring the best fit touch solution for your needs.

**3**  
YEARS  
WARRANTY

UP TO  
**5**  
YEARS  
OPTIONAL  
WARRANTY



## Infrared Touch Displays

ME Series IR      Reliable touch performance for budget-driven usage

## PCAP Touch Displays

M Series PCAP      Superior touch performance for demanding environments

## ShadowSense™ Touch Displays

C Series SST      Price performance champion for interactive presentation and whiteboarding

## InGlass™ Touch Displays

V Series IGB      Natural writing experience including native Windows Ink support

## Entry Collaboration Displays

CB Series      Collaboration display for interactive whiteboarding and screen sharing

## Windows Collaboration Displays

WD Series      BYOM collaboration display with built-in camera, speaker and microphone

## All-in-one Collaboration Solution

InfinityBoard Series      Best-in-class collaboration solution featuring Huddly IQ camera

## ME Series IR | Infrared Touch Displays

Offering a professional feature set and Sharp/NEC reliability, yet at a very attractive price point, the ME series with infrared touch delivers a satisfying user experience with a fast and precise touch response. Lower budget business operators benefit from upgradable interactive digital signage without requiring specialist expertise.

43" to 55"

ME Series IR



## M Series PCAP | PCAP Touch Displays

Great first impressions can make all the difference; presenting your business in the best possible way will boost your brand. With a modern, bezel-free styling, 24/7 operation and reduced reflections when ambient light is high, the M series PCAP touch engages audiences and facilitates collaboration.

43" to 65"

M Series PCAP



## C Series SST | ShadowSense™ Touch Displays

Bringing intuitive interactivity to the meeting room, even in direct sunlight the high performance touch functions perfectly without ghost touches. Benefit from Windows Ink supported in MS Office applications. Customise the colour of the bezel in any RAL colour to perfectly fit your interior design.

75" to 98"

C Series SST

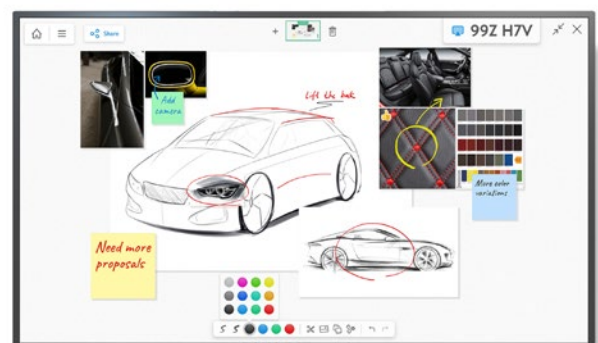


## V Series IGB | InGlass™ Touch Displays

The InGlass™ touch displays with responsive passive pen bring superior paper-like writing with minimal latency. High brightness levels ensure excellent readability and image reproduction even in today's typically bright meeting spaces where maintaining a motivational environment is paramount.

75" & 86"

V Series IGB



## CB Series | Entry Collaboration Displays

Featuring embedded computing, business and educational sessions start-up instantly with whiteboard and wireless screen sharing functionality. Annotate over any content shown on the screen. Simple operation with easy front access to USB ports and 'always on top' on-screen controls for major functionalities.

65" to 86"

CB Series



## WD Series | Windows Collaboration Displays

For frictionless meeting experiences, with instant access whether in-room or remote, NEC's WD551 is an all-in-one smart solution for modern meeting spaces. Users simply connect their own device via the secure USB-C cable to immediately share content and start video meetings using already familiar tools.

55"

WD Series

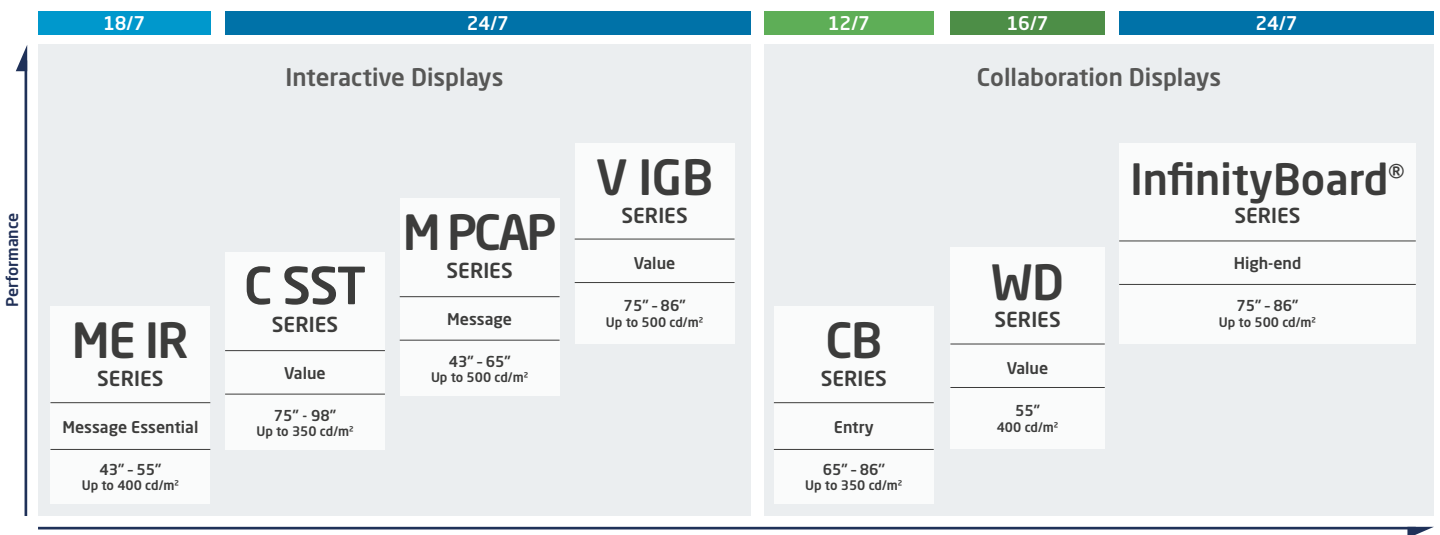


## InfinityBoard® Series | All-in-One Collaboration Solution

Combining ultra-high definition InGlass™ touch display, Corei7 OPS PC, Huddly IQ camera, side-mounted speakers and software tools in one device. Open for any platform and software integration, the InfinityBoard supports video conferencing, creative brainstorming, presenting, reviewing and collaboration to boost group work efficiency.

75" to 86"

InfinityBoard Series



Price

| MultiSync® Model  | ME431 IR                        | ME501 IR              | ME551 IR              | C751Q SST                               | C861Q SST             | C981Q SST             |
|---|---------------------------------|-----------------------|-----------------------|---|-----------------------|-----------------------|
| Order Code  | 60005077                        | 60005081              | 60005084              | 60004575                                | 60004576              | 60004577              |
| Base Model  | ME431                           | ME501                 | ME551                 | C751Q                                   | C861Q                 | C981Q                 |
| <b>All specs same as base model except for those listed below</b> |                                 |                       |                       |   |                       |                       |
| Brightness (max.) [cd/m <sup>2</sup> ]                            | 400                             | 400                   | 400                   | 350                                     | 350                   | 350                   |
| Haze Level (%)  | 4                               | 4                     | 4                     | Pro (28)                                | Pro (28)              | Pro (28)              |
| Supported Orientation   | Landscape, Portrait             |                       |                       | Face Up, Landscape, Portrait            |                       |                       |
| Slot-in Option  | Intel SDM; RPI Compute Module 4 |                       |                       | Intel SDM; RPI Compute Module 4         |                       |                       |
| Power Consumption [W]   | 80                              | 85                    | 120                   | 207                                     | 242                   | 252                   |
| Dimensions (W x H x D) [mm]                                       | 988 x 574 x 86                  | 1143 x 662 x 80       | 1257 x 725 x 80       | 1746 x 1025 x 88                        | 2001 x 1170 x 92      | 2257 x 1310 x 111     |
| Weight [kg]   | 21.9                            | 27.8                  | 31.8                  | 77.5                                    | 90                    | 135                   |
| Bezel Width T-B / L-R [mm]  | 23.4 / 22.25                    | 20 / 18.95            | 23.9 / 22.75          | 33 / 35.2                               | 34.1 / 35.5           | 35 / 35               |
| Touch Technology  | Infrared Touch                  | Infrared Touch        | Infrared Touch        | ShadowSense™                            | ShadowSense™          | ShadowSense™          |
| Touch Points  | 20                              | 20                    | 20                    | 10                                      | 10                    | 12                    |
| Input Method  | Finger, Stylus, Glove           | Finger, Stylus, Glove | Finger, Stylus, Glove | Finger, Stylus, Glove                   | Finger, Stylus, Glove | Finger, Stylus, Glove |
| Glass Thickness [mm]  | 3                               | 3                     | 3                     | 5                                       | 5                     | 5                     |
| Coating   | Anti-glare coating              | Anti-glare coating    | Anti-glare coating    | Anti-glare coating                      | Anti-glare coating    | Anti-glare coating    |
| Light Transmission [%]  | 92                              | 92                    | 92                    | 92                                      | 92                    | 92                    |
| Shipping Content  | UHD Touch Display               |                       |                       | UHD Touch Display, SST Pen & Eraser Kit |                       |                       |
| NaViSet Administrator 2   | ●                               | ●                     | ●                     | ●                                       | ●                     | ●                     |
| SpectraView Engine  | -                               | -                     | -                     | ●                                       | ●                     | ●                     |

M Series PCAP | PCAP Touch Displays

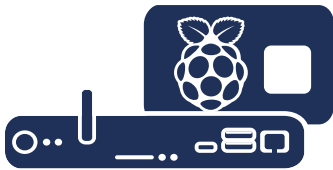
| MultiSync® Model  | M431 PCAP                                      | M491 PCAP          | M551 PCAP                                      | M651 PCAP          |
|---|--|--------------------|--|--------------------|
| Order Code  | 60005076                                       | 60005080           | 60005082                                       | 60005341           |
| Base Model  | M431   | M491               | M551   | M651               |
| <b>All specs same as base model except for those listed below</b> |  |                    |  |                    |
| Brightness (max.) [cd/m <sup>2</sup> ]                            | 500  | 500                | 500  | 500                |
| Haze Level (%)  | 5 ~ 10   | 5 ~ 10             | 5 ~ 10   | 5 ~ 10             |
| Supported Orientation   | Face Up, Landscape, Portrait                   |                    | Face Up, Landscape, Portrait                   |                    |
| Slot-in Option  | Intel® SDM; RPI Compute Module 4               |                    | Intel® SDM; RPI Compute Module 4               |                    |
| Power Consumption [W]   | 80   | 80                 | 110  | 120                |
| Dimensions (W x H x D) [mm]                                       | 1003 x 595 x 74                                | 1140 x 670 x 65    | 1276 x 747 x 68                                | 1493 x 871 x 69    |
| Weight [kg]   | 24.8   | 30.3               | 36.4   | 51.1               |
| Bezel Width T-B / L-R [mm]  | Edge-to-edge flush design (no bezel)           |                    | Edge-to-edge flush design (no bezel)           |                    |
| Touch Technology  | PCAP   | PCAP               | PCAP   | PCAP               |
| Touch Points  | 20   | 20                 | 20   | 20                 |
| Input Method  | Conductive Passive Stylus, Finger, Thin Gloves |                    | Conductive Passive Stylus, Finger, Thin Gloves |                    |
| Glass Thickness [mm]  | 3.6  | 4.45               | 3.5  | 3.5                |
| Coating   | Anti-glare coating                             | Anti-glare coating | Anti-glare coating                             | Anti-glare coating |
| Light Transmission [%]  | 85   | 85                 | 85   | 85                 |
| Shipping Content  | UHD Touch Display                              | UHD Touch Display  | UHD Touch Display                              | UHD Touch Display  |
| NaViSet Administrator 2   | ●  | ●                  | ●  | ●                  |
| SpectraView Engine  | -  | -                  | -  | -                  |

| MultiSync® Model                       | V754Q IGB  | V864Q IGB                    | CB651Q-2  | CB751Q           | CB861Q           |
|--|--|------------------------------|---|------------------|------------------|
| Order Code                             | 60004679   | 60004680                     | 60005410  | 60004824         | 60004825         |
| Panel Technology                       | IPS  | IPS                          | IPS   | IPS              | IPS              |
| Screen Size [inch / cm]                | 75 / 189   | 86 / 217                     | 65 / 164  | 75 / 189         | 86 / 217         |
| Brightness (max.) [cd/m <sup>2</sup> ] | 500  | 500                          | 350   | 350              | 350              |
| Contrast (typ.)                        | 1200:1   | 1200:1                       | 1200:1  | 1200:1           | 1200:1           |
| Viewing Angle Hor / Ver [°]            | 178 / 178  | 178 / 178                    | 178 / 178   | 178 / 178        | 178 / 178        |
| Response Time (typ. G to G) [ms]       | 8 (grey-to-grey)                                   | 8 (grey-to-grey)             | 8   | 8                | 8                |
| Haze Level (%)                         | Pro (28)   | Pro (28)                     | 3   | 3                | 3                |
| Supported Orientation                  | Face Up, Landscape, Portrait                       | Face Up, Landscape, Portrait | Landscape   |                  |                  |
| Native Resolution                      | 3840 x 2160  | 3840 x 2160                  | 3840 x 2160   | 3840 x 2160      | 3840 x 2160      |
| Connectivity                           | 3 HDMI, DP:2 In, 1 Out                             | 3 HDMI, DP:2 In, 1 Out       | 3 HDMI, 1x VGA  |                  |                  |
| Embedded Computing                     | -  | -                            | Android based compute with built-in annotation tools & wireless presentation capabilities |                  |                  |
| Slot-in Option                         | OPS, Compute Module Slot                           |                              | OPS   |                  |                  |
| Power Consumption [W]                  | 167  | 242                          | 165   | 205              | 365              |
| Power Savings Mode [W]                 | <0.5   | <0.5                         | 0.5   | 0.5              | 0.5              |
| Dimensions (W x H x D) [mm]            | 1725 x 1003 x 81                                   | 1972 x 1142 x 85             | 1488 x 897 x 85   | 1709 x 1020 x 86 | 1957 x 1160 x 86 |
| Weight [kg]                            | 73   | 84                           | 39.2  | 52.6             | 67.3             |
| Bezel Width T-L-R / B [mm]             | 18.8   | 19.8 T B / 20.3 L R          | 17.7 / 45.7   | 17.7 / 45.7      | 17.7 / 45.7      |
| Touch Technology / Touch Points        | InGlass™ Touch / Real multi-touch up to 20 touches |                              | Infrared / 20   |                  |                  |
| Input Method                           | Finger, Gloves, Stylus (≥ 2 mm)                    |                              | Finger, Stylus, Glove   |                  |                  |
| Glass Thickness [mm]                   | 3  | 3                            | 4   |                  |                  |
| Coating                                | Anti-glare coating                                 | Anti-glare coating           | Anti-glare coating  |                  |                  |
| Light Transmission [%]                 | 88 (+/- 1 %)                                       | 88 (+/- 1 %)                 | 88  |                  |                  |
| Integrated Speakers                    | 2 x 10 W   | 2 x 10 W                     | 2 x 12 W  | 2 x 12 W         | 2 x 12 W         |
| Included Software                      | FlatFrog Board (NEC Pro Bundle)                    |                              | Mosaic Canvas, Mosaic Connect   |                  |                  |
| Shipping Content                       | UHD Touch Display, 2x Passive Pens                 |                              | UHD Touch Display, 3x Passive Pens, Wall Mount  |                  |                  |
| NaviSet Administrator 2                | ●  | ●                            | ●   | ●                | ●                |
| SpectraView Engine                     | ●  | ●                            | -   | -                | -                |

| MultiSync® Model                       | WD551   |
|--|---|
| Order Code                             | 60005140  |
| Panel Technology                       | IPS   |
| Screen Size [inch/cm]                  | 55 / 139  |
| Brightness (max.) [cd/m <sup>2</sup> ] | 400   |
| Contrast Ratio (default)               | 1200:1  |
| Viewing Angle Hor / Vert [°]           | 178 / 178   |
| Response Time (typ.) [ms]              | 8   |
| Haze Level [%]                         | 4-10  |
| Supported Orientation                  | Landscape   |
| Native Resolution                      | 3840 x 2160   |
| Connectivity                           | 1x HDMI; 2x USB-C; 1x USB 2.0 (Type-A); 2x USB 3.0 (Type-A); 1 USB 3.0 (Type-B) |
| Power Consumption [W]                  | 371 (shipped at 155 Eco)  |
| Power Savings Mode [W]                 | <0.5  |
| Dimensions (W x H x D) [mm]            | 1,266 x 857 x 85  |
| Weight [kg]                            | 31.2  |
| Bezel Width [mm]                       | Edge-to-edge flush design (no bezel)  |
| Touch Technology                       | PCAP  |
| Touch Points                           | 10  |
| Input Method                           | Active Stylus; Conductive Passive Stylus (≥ 8 mm); Finger                       |
| Thickness [mm]                         | 3   |
| Coating                                | Anti-glare coating  |
| Light Transmission [%]                 | ≥ 88  |
| Video Conference Camera                | HD 3840p 30fps; 120° viewing angle  |
| Integrated Speakers                    | 12 W + 12 W; (built-in Subwoofer: 15 W)   |
| Microphone                             | Built-in 6 array; 180°  |
| Shipping Content                       | 1.8 m USB-C Cable; 2x Active Stylus; Display; Pen Charger; Remote Control;      |
| Special Characteristics                | Microsoft Teams Certified   |

| MultiSync® Model  | 75" InfinityBoard 2.1 / 2.1QL   | 86" InfinityBoard 2.1 / 2.1QL |
|---|---|-------------------------------|
| Order Code  | 40001303 / 40001444   | 40001305 / 40001445           |
| Base Model  | V754Q   | V864Q                         |
| <b>All specs same as base model except for those listed below</b> |   |                               |
| Brightness (max.) [cd/m <sup>2</sup> ]                            | 500   | 500                           |
| Haze Level (%)  | Pro (28)  | Pro (28)                      |
| Supported Orientation   | Landscape, Portrait, Face-up  |                               |
| Slot-in Option  | OPS, Compute Module Slot  |                               |
| Power Consumption [W]   | 167   | 242                           |
| Dimensions (W x H x D) [mm]                                       | 1945 x 1003 x 86  | 2192 x 1142 x 86              |
| Weight [kg]   | 80.3  | 91.7                          |
| Bezel Width T-B / L-R [mm]  | 18.8 / 18.8   | 19.8 / 20.3                   |
| Touch Technology  | InGlass™  |                               |
| Touch Points  | 20  | 20                            |
| Input Method  | Finger, Stylus (≥ 2 mm), Glove  |                               |
| Glass Thickness [mm]  | 3   | 3                             |
| Coating   | Premium toughened glass, anti-glare coating   |                               |
| Light Transmission [%]  | 88  | 88                            |
| Video Conference Camera   | Huddly IQ camera, 150° viewing angle, 1080p 30fps, auto framing   |                               |
| Conference Speaker  | 40 W, 70 Hz to 15 kHz, 82.1 dB  |                               |
| Microphone  | No microphone included  |                               |
| OPS Slot-in PC  | 7th gen. Intel® Core i7 -7820EQ 4 x 3.0GHz, 8GB RAM, 128GB SDD, Windows 10 Pro, Wi-Fi, TPM  |                               |
| Included Software   | <b>2.1 models:</b> Windows 10 Professional, FlatFrog Board (NEC Pro Bundle), Mosaic Connect, Hoylu (single-user license), Huddly Camera App<br><b>2.1 QL models:</b> Windows 10 Professional, QuickLaunch Ultimate Edition, FlatFrog Board (NEC Pro Bundle), Mosaic Connect, Hoylu (single-user license), Huddly Camera App |                               |
| Shipping Content  | UHD Touch Display, OPS Slot-in PC, Side-mounted Speaker, Huddly IQ, 2x Passive Pen  |                               |
| NaviSet Administrator 2   | ●   | ●                             |
| SpectraView Engine  | ●   | ●                             |

# OMi - Open Modular Intelligence



**NEC's Open Modular Intelligence (OMi)** platform provides a smart and seamless connection between source and display to deliver powerful, tailored and future proof digital signage and presentations. Simplifying device installation, usage, maintenance and upgrade, the integrated slot-in options feature a customizable selection of computing power and signal distribution.

## Intel® Smart Display Module (Intel®SDM)

A natural evolution from the previously used OPS (Open Pluggable Specification) interface, Sharp/NEC has adopted the new, fully future-proof Intel® Smart Display Module. Delivering the same level of intelligence and interoperability, but in a smaller form factor and with no housing, the small and large size Intel®SDM modules seamlessly integrate into the latest generation of NEC Large Format Displays. Supporting higher resolutions and higher bandwidth, the Intel®SDM architecture supports even greater performance levels and superb reality-like content playback.

## Slot-in Computing Solutions

Upgrade the power of your displays at any time with a wide selection of slot-in computing solutions. Pre-installed on the Raspberry Pi Compute Module 4, with the modular MPI4 NEC MediaPlayer Kit, it has never been easier to create intuitive signage content straight out of the box. For more demanding applications, select your perfect match CPU performance level from our range of Intel®SDM computing devices.

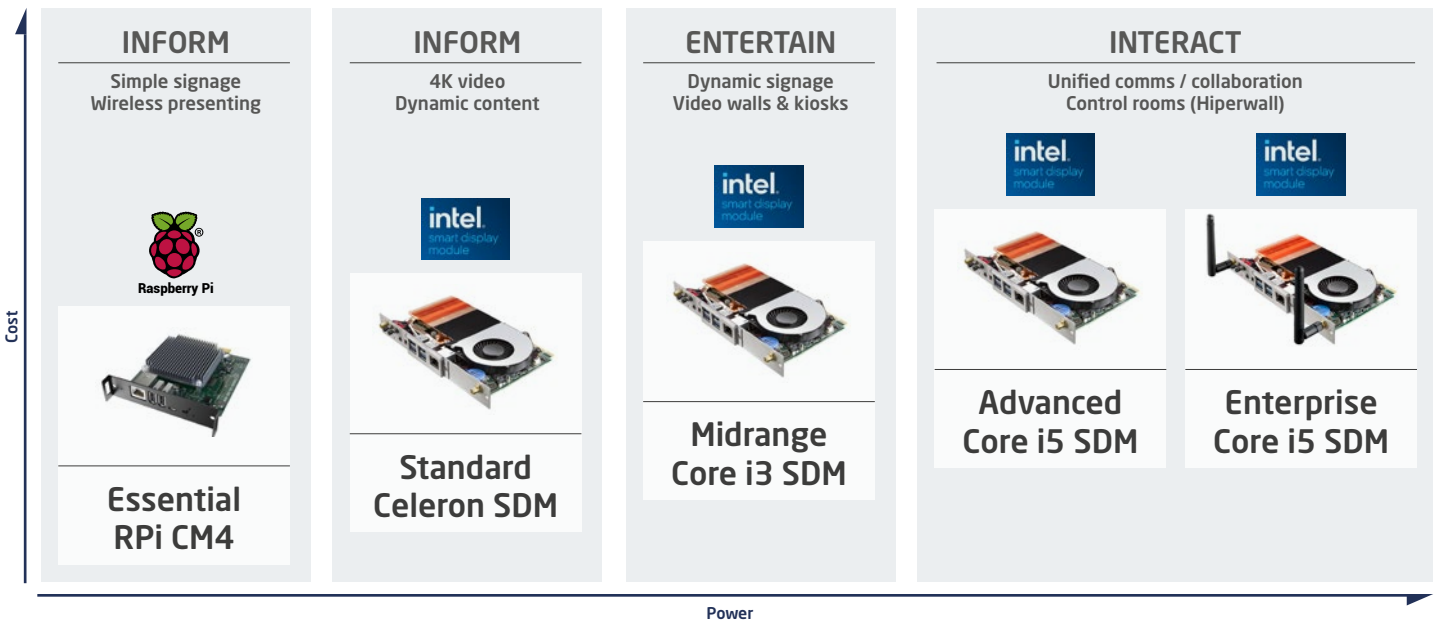
Fully embedded media players make digital signage simpler and more flexible without the need for additional cables or devices, whilst external players limit use to just one source for all displays on a network.

## Slot-in Interfaces

Open modular slot-in options from Sharp/NEC offer an interchangeable selection of solutions including computing technology, media playback and signal distribution (eg AVoverIP) for unlimited versatility. Application usage can be extended through the integration of connectivity standards such as HDBaseT or SDI, widening the performance level of the display. The embedded solution enables the displays to be enhanced to a custom-made solution which matches the specific demands of any application. Should future demands change, the integrated module can be upgraded or re-configured accordingly without having to replace the display.





Typical Processor requirements for differing performance levels.





Slot-In Options | Compatibility


Sharp NEC Display Solutions offers the following certified compute options:

- 

The **MPI4 NEC MediaPlayer Kit** offers a cost-effective solution for signage displays in retail environments, passenger information and quick service menu boards, with access to one of our many CMS partners for more complex playlists.
- 

The **Standard Intel®SDM Slot-in PC** offers a low-cost solution for digital signage in retail or corporate applications, passenger information and menu boards.
- 

The **Midrange Intel®SDM slot-in PC** Core i3 delivers crisp 4K UHD playback for flight and passenger information, retail and corporate signage as well as interactive and kiosk applications.
- 

The **Advanced Intel®SDM slot-in PC** Core i5 supports the most demanding high resolution or resource hungry interactive signage applications, video walls and more complex intelligent signage installations.
- 

The **Enterprise Intel®SDM Slot-in PC** Core i5 meets all requirements for demanding corporate meeting room applications such as video conferencing, interactive whiteboards and collaborative use cases.

## Slot-in Options | Compatibility

| Model                        | RPi CM3 SoC | RPi CM4 SoC<br>(MPI4 NEC MediaPlayer Kit) | OPS Computing Modules<br>(Intel Core CPU configurations) | OPS Interface Boards<br>(HDBaseT, 3G SDI) | SDM Computing Modules | SDM Interface Boards<br>(HDBT, 12G SDI) |
|------------------------------|-------------|---|--|---|-----------------------|---|
| <b>Large Format Displays</b> |             |   |  |   |                       |   |
| ME431                        | -           | ●   | -  | -   | ●*                    | ●                                       |
| ME501                        | -           | ●   | -  | -   | ●                     | ●                                       |
| ME551                        | -           | ●   | -  | -   | ●                     | ●                                       |
| ME651                        | -           | ●   | -  | -   | ●                     | ●                                       |
| C751Q                        | ●           | -   | ●  | -   | -                     | -                                       |
| C861Q                        | ●           | -   | ●  | -   | -                     | -                                       |
| C981Q                        | ●           | -   | ●  | -   | -                     | -                                       |
| V323-3                       | -           | -   | ●  | -   | -                     | -                                       |
| V404                         | ●           | -   | ●  | ●   | -                     | -                                       |
| V484                         | ●           | -   | ●  | ●   | -                     | -                                       |
| V754Q                        | ●           | -   | ●  | ●   | -                     | -                                       |
| V864Q                        | ●           | -   | ●  | ●   | -                     | -                                       |
| V984Q                        | ●           | -   | ●  | ●   | -                     | -                                       |
| M431                         | -           | ●   | -  | -   | ●*                    | ●                                       |
| M491                         | -           | ●   | -  | -   | ●                     | ●                                       |
| M551                         | -           | ●   | -  | -   | ●                     | ●                                       |
| M651                         | -           | ●   | -  | -   | ●                     | ●                                       |
| MA431                        | -           | ●   | -  | -   | ●                     | ●                                       |
| MA491                        | -           | ●   | -  | -   | ●                     | ●                                       |
| MA551                        | -           | ●   | -  | -   | ●                     | ●                                       |
| P404                         | ●           | -   | ●  | -   | -                     | -                                       |
| P435                         | -           | ●   | -  | -   | ●                     | ●                                       |
| P484                         | ●           | -   | ●  | -   | -                     | -                                       |
| P495                         | -           | ●   | -  | -   | ●                     | ●                                       |
| P555                         | -           | ●   | -  | -   | ●                     | ●                                       |
| X554HB                       | -           | -   | ●  | -   | -                     | -                                       |
| X754HB                       | -           | -   | ●  | -   | -                     | -                                       |
| UN462A                       | ●           | -   | ●  | ●   | -                     | -                                       |
| UN462VA                      | ●           | -   | ●  | ●   | -                     | -                                       |
| UN552                        | ●           | -   | ●  | ●   | -                     | -                                       |
| UN552A                       | ●           | -   | ●  | ●   | -                     | -                                       |
| UN552S                       | ●           | -   | ●  | ●   | -                     | -                                       |
| <b>Projectors</b>            |             |   |  |   |                       |   |
| PX803UL                      | -           | -   | ●  | ●   | -                     | -                                       |
| PX1004UL                     | -           | -   | ●  | ●   | -                     | -                                       |
| PX1005QL                     | -           | -   | ●  | ●   | -                     | -                                       |
| PH3501QL                     | -           | -   | ●  | ●   | -                     | -                                       |

\* supporting SDM modules up to 44W i.e. Standard Celeron and below configurations.

| Display Model    | Built-in speakers | External Speaker Order Code | Soundbars |           |           |               |           |           | High-End-Speakers |           |            |           |           |
|------------------|-------------------|-----------------------------|-----------|-----------|-----------|---------------|-----------|-----------|-------------------|-----------|------------|-----------|-----------|
|                  |                   |                             | General   |           |           | Collaborative |           |           | side-mount        |           | rear-mount |           |           |
|                  |                   |                             | 100013520 | 100015582 | 100015583 | 100015453     | 100015078 | 100015454 | 100015302         | 100014632 | 100015001  | 100014985 | 100015517 |
| E328             | ✓                 | SP-IF1                      | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | -         |
| E438             | ✓                 | SP-AS2                      | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | -         |
| E498             | ✓                 | SP-PS2                      | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | -         |
| E558             | ✓                 | SP-ASCM2                    | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | -         |
| E658             | ✓                 | SP-PSCM                     | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | -         |
| ME431 (PG, IR)   | ✓                 | SP-ASCM-IQ2                 | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| ME501 (IR)       | ✓                 | SP-PSCM-IQ                  | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| ME551 (PG, IR)   | ✓                 | SP-484SM                    | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| ME651 (PG)       | ✓                 | SP-754QSM                   | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| C751Q (SST)*     | ✓                 | SP-864QSM                   | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| C861Q (SST)*     | ✓                 | SP-RM3                      | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| C981Q (SST)*     | ✓                 | SP-RM3a                     | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| V323-3 (PG)*     | ✓                 |                             | -         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| V404 (PG)*       | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| V484 (PG)*       | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| V754Q (PG)*      | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| V864Q (PG)*      | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| V984Q (PG)*      | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| M431 (PG, PCAP)  | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| M491 (PG, PCAP)  | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| M551 (PG, PCAP)  | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| M651 (PG, PCAP)  | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| MA431 (PG)       | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| MA491 (PG)       | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| MA551 (PG)       | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| P435 (PG, MG)*   | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| P495 (PG, MG)*   | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| P555 (PG, MG)*   | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| P754Q (PG)       | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| UN462A / UN462VA | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| UN552 / UN552V   | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| UN552S / UN552VS | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| UN552A           | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| UX552            | -                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| X554HB           | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| X754HB           | ✓                 |                             | ●         | -         | ●         | -             | ●         | -         | ●                 | -         | ●          | -         | ●         |
| CB651Q-2         | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| CB751Q           | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |
| CB861Q           | ✓                 |                             | -         | ●         | -         | ●             | -         | ●         | -                 | ●         | -          | ●         | ●         |

| Display Model    | Stands | Stands     |           |           |           |           |           |           |           |
|------------------|--------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|                  |        | Order Code | 100013034 | 100014488 | 100015324 | 100012828 | 100013328 | 100013911 | 100014601 |
|                  |        | ST-322     | ST-43M    | ST-551    | ST-65M    | ST-801    | ST-32E2   | ST-55E    |           |
| E328             |        | -          | -         | -         | -         | -         | ●         | -         |           |
| E438             |        | -          | -         | -         | -         | -         | ●         | -         |           |
| E498             |        | -          | -         | -         | -         | -         | ●         | -         |           |
| E558             |        | -          | -         | -         | -         | -         | ●         | -         |           |
| E658             |        | -          | -         | -         | -         | -         | ●         | -         |           |
| ME431            |        | -          | ●         | -         | -         | -         | -         | -         |           |
| ME501            |        | -          | ●         | -         | -         | -         | -         | -         |           |
| ME551            |        | -          | ●         | -         | -         | -         | -         | -         |           |
| ME651            |        | -          | -         | -         | ●         | -         | -         | -         |           |
| M431             |        | -          | ●         | -         | -         | -         | -         | -         |           |
| M491             |        | -          | ●         | -         | -         | -         | -         | -         |           |
| M551             |        | -          | ●         | -         | -         | -         | -         | -         |           |
| M651             |        | -          | -         | -         | ●         | -         | -         | -         |           |
| MA431            |        | -          | ●         | -         | -         | -         | -         | -         |           |
| MA491            |        | -          | ●         | -         | -         | -         | -         | -         |           |
| MA551            |        | -          | ●         | -         | -         | -         | -         | -         |           |
| C751Q (SST)      |        | -          | -         | -         | -         | ●         | -         | -         |           |
| C861Q (SST)      |        | -          | -         | -         | -         | ●         | -         | -         |           |
| C981Q (SST)      |        | -          | -         | -         | -         | ●         | -         | -         |           |
| V323-3 (PG)      |        | ●          | -         | -         | -         | -         | -         | -         |           |
| V404 (PG)        |        | -          | ●         | -         | -         | -         | -         | -         |           |
| V484 (PG)        |        | -          | ●         | -         | -         | -         | -         | -         |           |
| V754Q (PG)       |        | -          | -         | -         | -         | ●         | -         | -         |           |
| V864Q (PG)       |        | -          | -         | -         | -         | ●         | -         | -         |           |
| V984Q (PG)       |        | -          | -         | -         | -         | ●         | -         | -         |           |
| P435 (PG, MG)*   |        | -          | ●         | -         | -         | -         | -         | -         |           |
| P495 (PG, MG)*   |        | -          | ●         | -         | -         | -         | -         | -         |           |
| P555 (PG, MG)*   |        | -          | ●         | -         | -         | -         | -         | -         |           |
| P754Q (PG)       |        | -          | -         | -         | -         | ●         | -         | -         |           |
| UN462A / UN462VA |        | ●          | -         | -         | -         | -         | -         | -         |           |
| UN552 / UN552V   |        | -          | -         | ●         | -         | -         | -         | -         |           |
| UN552S / UN552VS |        | -          | -         | ●         | -         | -         | -         | -         |           |
| UN552A           |        | -          | -         | ●         | -         | -         | -         | -         |           |
| UX552            |        | -          | -         | ●         | -         | -         | -         | -         |           |
| X554HB           |        | -          | -         | -         | -         | -         | -         | -         |           |
| X754HB           |        | -          | -         | -         | -         | ●         | -         | -         |           |

\* High-end Speakers (SP-xxSM) are not compatible with Protective Glass (PG), Mirror Glass (MG), ShadowSense Touch (SST) and 3M™ PCAP Touch PCAP Displays.

- Perfect Compatibility
- Compatible - speakers might bulge from the back surface. It might also require an additional mounting bracket - Please refer to the respective Product Datasheet for more details
- not Compatible

# Direct view LED



Indoor and outdoor LED modules scale up to create attention grabbing walls of intensely vivid images for the brightest environments, available in a range of pixel pitches for up-close or long-distance viewing.

High quality precision engineered components configure to create a single homogenous digital canvas, purpose-designed for easy maintenance and long-life performance.

Indoor LED

**0.9mm to 3.9mm**

Outdoor LED

**2.8mm to 4.8mm**

UP TO\*  
**5**  
YEARS  
OPTIONAL  
WARRANTY

## dvLED

|                   |   |
|-------------------|---|
| E Series Bundles  | Entry level visualisation in ready-to-go size and pixel options               |
| FE-E Series       | Mainstream scalable visualisation with cost and eco savings                   |
| FE Series         | Flexible visualisation at the perfect price performance level                 |
| FE Series Bundles | Standard resolution bundles for signage and conferencing                      |
| FA Series         | High class components and full redundancy for mission critical applications   |
| FA Series Bundles | Fully redundant standard resolution bundles for mission critical applications |
| Q Series          | Square modules for indoor and outdoor signage applications                    |
| B Series          | Modules with EMC Class B certification for sizes of up 40m <sup>2</sup>       |
| A Series          | Plug & play solution for signage applications                                 |

\* On selected models

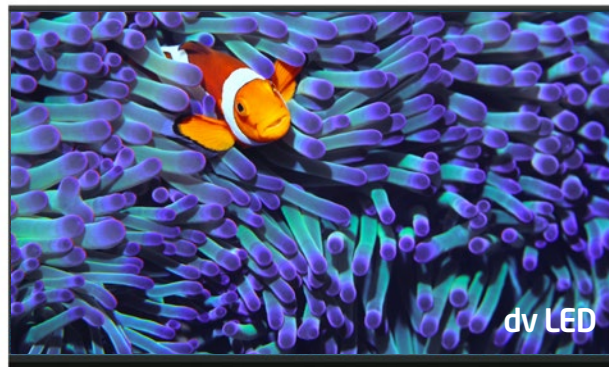
## E Series Bundles | Indoor FinePitch LED Bundles

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For budget sensitive deployments, the E Series brings all the advantages of fine-pitch LED yet in an all-in-one bundle in three size and pixel pitch options. The slim, elegant design plus the robustness and safety of the metal chassis make it the perfect choice for corporate meeting room scenarios as well as most signage applications in public spaces.

### 108" to 132"

E Series Bundles



## FE-E Series | Indoor FinePitch LED Modules

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Where installations demand a cost efficient solution without compromising on functionality and quality, the FE-E Series pixel card options offer great value for the money. Three pixel pitch options provide ample flexibility to achieve scalable large surface digitisation for signage and presentation applications.

### 1.2mm to 1.9mm

FE-E Series



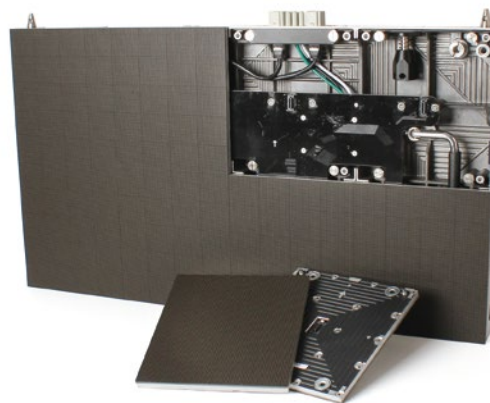
## FE Series | Indoor FinePitch LED Modules

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Scalable, fine-pitch visualisation for indoor bezel-free large surfaces, the FE Series offers 0.9mm to 3.8mm pixel pitch options to suit usage and budget parameters. Excellent viewing angles, consistent reality-like colours, superb brightness and long lasting performance for conferencing and signage applications.

### 0.95mm to 3.8mm

FE Series Bundles



## FE Series Bundles | Indoor FinePitch LED Bundles

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Either free standing or for seamless integration into interiors, the FE Series bundles provide an off-the-shelf, all-in-one solution for large digital surfaces from 110" to 220". Easy to maintain and upgrade with front serviceable pixel cards; everything's included for straight forward deployment and fuss-free operation.

### 110" to 220"

FE Series



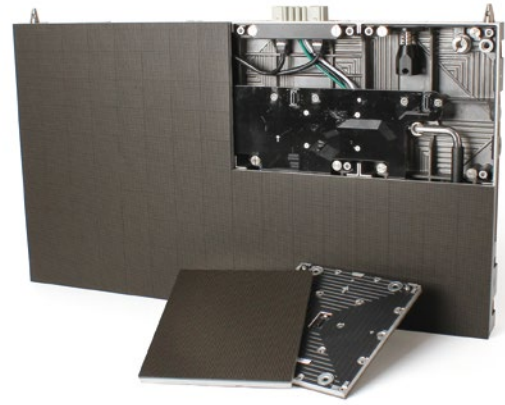
## FA Series | Indoor FinePitch LED Modules

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All Sharp/NEC LED products are meticulously designed and built for reliable long lasting performance; the FA Series features additional fail-safe qualities with redundant power supply and receiver card ensuring mission-critical performance standards. Select your pixel pitch according to room size and viewing distance parameters.

### 0.95mm to 3.8mm

FA Series



## FA Series Bundles | Indoor FinePitch LED Bundles

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An off-the-shelf solution for large surface visualisation in control rooms and passenger terminals; anywhere where fail-safe performance is critical. Available in four standard sized bundles up to 220", the 16:9 modules configure to deliver superb viewing experiences and unmatched longevity and reliability.

### 110" to 220"

FA Series Bundles



## Q Series | Indoor and Outdoor Signage

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Versatile and customisable, the light weight, slim profile, 1:1 aspect ratio modules configure to maximise the given space and generate extraordinary visual experiences. High brightness levels, along with wide viewing angles and unrivalled contrast ratios up to make the Q Series shine out even in the brightest environments.

### Indoor: 3.9mm Outdoor: 2.8mm to 4.8mm

Q Series



## B Series | Indoor EMC Class B LED Modules

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For busy public spaces especially airport terminals it is vital to limit electromagnetic interference which can compromise WiFi connections and even air traffic control operations. The NEC B Series is fully compliant to EMC Class B, causing no interference up to 40m2. The versatile 1:1 modules deliver 1000cd/m2 brightness.

### 3.9mm

B Series

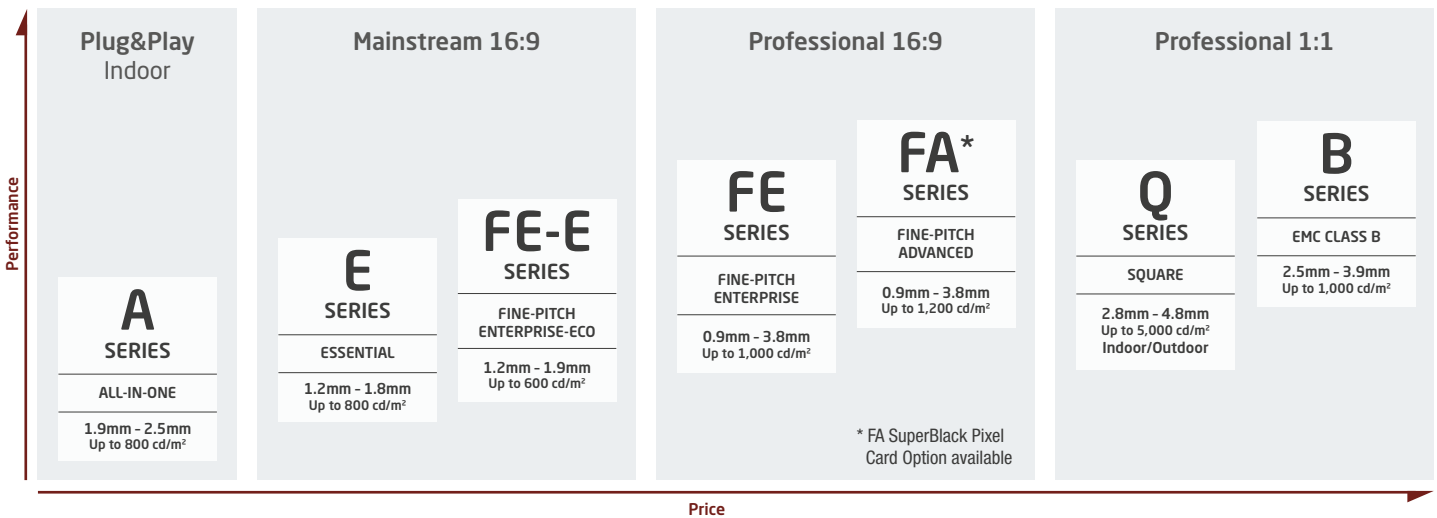


## A Series | Indoor LED Poster

A format ideal to replace traditional roll-up banners, this digital poster can be positioned anywhere its needed for promotional or wayfinding information that's instantly updatable. Free-standing or for integration into a housing, the A Series is robust for use in public spaces with a cleanable protective screen.

### 1.9mm and 2.5mm

A Series



## E Series Bundles | Indoor FinePitch LED Bundles

|  | E012i-108  | E015i-135  | E018i-162  |
|--|--|--|--|
| Order Code                             | 81000231   | 81000232   | 81000233   |
| Resolution                             | 1920 x 1080  | 1920 x 1080  | 1920 x 1080  |
| Module Configuration                   | 4x4  | 5x5  | 6x6  |
| Pixel Configuration                    | 3-in-1 SMD (Black)   | 3-in-1 SMD (Black)   | 3-in-1 SMD (Black)   |
| LED Type                               | SMD (1010)   | SMD (1212)   | SMD (1415)   |
| Pixel Pitch [mm]                       | 1,25   | 1,563  | 1,875  |
| Brightness (max.) [cd/m <sup>2</sup> ] | 600  | 600  | 800  |
| Lifetime                               | 100000   | 100000   | 100000   |
| Contrast Ratio (typ.)                  | 5000:1   | 4000:1   | 5000:1   |
| Viewing Angle [°]                      | 170 horizontal /160 vertical   | 140 horizontal /140 vertical   | 140 horizontal /140 vertical   |
| Colour Processing                      | 16 bit   | 16 bit   | 14 bit   |
| LED Driving Method                     | 1/45 dynamic scan  | 1/54 dynamic scan  | 1/60 dynamic scan  |
| Refresh Rate [Hz]                      | 3840   | 3840   | 3840   |
| Colour Temperature [K]                 | 3000-9500  | 3000-9500  | 3000-9500  |
| Power Typical [W]                      | 944  | 1000   | 1944   |
| Dimensions (W x H x D) [mm]            | 2412 x 1456 x 47   | 3012 x 1793,5 x 47   | 3612 x 2131 x 47   |
| Weight [kg]                            | 89,2   | 134,5  | 189,2  |
| Connectivity via Controller            | 3G SDI; DVI-D; HDMI; GenLock; LAN  |  |  |
| Serviceability                         | Front  | Front  | Front  |
| IP Level (Front/Rear)                  | IP20   | IP20   | IP20   |
| Certifications                         | CE, ETL, FCC Class A, RoHS   | CE, ETL, FCC Class A, RoHS   | CE, ETL, FCC Class A, RoHS   |
| Shipping Content                       | 1x LED Controller, 4x4x LED Modules, 1x Overframe Kit, 1x Power Bar, 1x Wall Mount, 1x Spare Parts Kit | 1x LED Controller, 5x5x LED Modules, 1x Overframe Kit, 1x Power Bar, 1x Wall Mount, 1x Spare Parts Kit | 1x LED Controller, 6x6x LED Modules, 1x Overframe Kit, 1x Power Bar, 1x Wall Mount, 1x Spare Parts Kit |
| Warranty                               | 2 years (options to extend)  |  |  |

## FE-E Series | Indoor FinePitch LED Modules

|  | FE012i2-E                    | FE015i2-E                    | FE019i2-E                    |
|--|------------------------------|------------------------------|------------------------------|
| Order Code                             | 81000224                     | 81000225                     | 81000226                     |
| LED Type                               | SMD (1010)                   | SMD (1010)                   | SMD (1010)                   |
| Number of Pixel per module [dot]       | 129600                       | 82944                        | 57600                        |
| Number of Pixel per card [dot]         | 16200                        | 10368                        | 7200                         |
| Pixel Pitch [mm]                       | 1.267                        | 1.583                        | 1.9                          |
| Brightness (max.) [cd/m <sup>2</sup> ] | 600                          | 600                          | 600                          |
| Lifetime                               | 100000                       | 100000                       | 100000                       |
| Contrast Ratio (typ.)                  | 4000:1                       | 4000:1                       | 4000:1                       |
| Viewing Angle [°]                      | 160 horizontal /160 vertical | 160 horizontal /160 vertical | 160 horizontal /160 vertical |
| Colour Processing                      | 16 bit                       | 16 bit                       | 16 bit                       |
| LED Driving Method                     | 1/27 dynamic scan            | 1/27 dynamic scan            | 1/27 dynamic scan            |
| Refresh Rate [Hz]                      | 3840                         | 3840                         | 3840                         |
| Colour Temperature [K]                 | 3000-9500                    | 3000-9500                    | 3000-9500                    |
| Power Typical [W] m <sup>2</sup>       | 315                          | 275                          | 275                          |
| Power Maximum [W] m <sup>2</sup>       | 600                          | 600                          | 600                          |
| Dimensions (W x H x D) [mm]            | 608 x 342 x 49               | 608 x 342 x 49               | 608 x 342 x 49               |
| Weight [kg] Module                     | 8,8                          | 8,8                          | 8,8                          |
| Serviceability                         | Front                        | Front                        | Front                        |
| IP Level (Front/Rear)                  | IP20                         | IP20                         | IP20                         |
| Certifications                         | CE, ETL, FCC Class A, RoHS   | CE, ETL, FCC Class A, RoHS   | CE, ETL, FCC Class A, RoHS   |
| Warranty                               | 2 years (options to extend)  |                              |                              |

## FE Series | Indoor FinePitch LED Modules

|  | <b>FE009i2</b>                        | <b>FE012i2</b>                | <b>FE015i2</b>                | <b>FE019i2</b>                | <b>FE025i2</b>                        | <b>FE031i2</b>     | <b>FE038i2</b>     |
|--|---------------------------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------------|--------------------|--------------------|
| Order Code                             | 80000351                              | 80000145                      | 80000146                      | 80000147                      | 80000148                              | 80000149           | 80000150           |
| Pixel Configuration                    | 4-in-1-IMD (Black)                    | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)                    | 3-in-1 SMD (Black) | 3-in-1 SMD (Black) |
| LED type                               | IMD (1616)                            | SMD (1010)                    | SMD (1010)                    | SMD (1010)                    | SMD (1415)                            | SMD (1415)         | SMD (1415)         |
| Resolution per m <sup>2</sup>          | 1108033                               | 623269                        | 398892                        | 277008                        | 155817                                | 99723              | 69252              |
| Number of Pixel per module [dot]       | 230400                                | 129600                        | 82944                         | 57600                         | 32400                                 | 20736              | 14400              |
| Number of Pixel per card [dot]         | 28800                                 | 16200                         | 10368                         | 7200                          | 8100                                  | 2592               | 1800               |
| Pixel Pitch [mm]                       | 0.95                                  | 1.266                         | 1.583                         | 1.9                           | 2.375                                 | 2.714              | 3.8                |
| Brightness (max.) [cd/m <sup>2</sup> ] | 600                                   | 700                           | 700                           | 700                           | 1000                                  | 1000               | 1000               |
| Lifetime                               | 100000 hours (50% brightness)         |                               |                               |                               | 100000 hours (50% brightness)         |                    |                    |
| Contrast Ratio (typ.)                  | 5000:1                                | 5000:1                        | 5000:1                        | 5000:1                        | 5000:1                                | 5000:1             | 5000:1             |
| Viewing Angle [°]                      | 140 horizontal / 140 vertical         | 170 horizontal / 170 vertical | 160 horizontal / 160 vertical | 170 horizontal / 170 vertical | 160 horizontal / 160 vertical         |                    |                    |
| Dimming Capability                     | 256 levels                            | 256 levels                    | 256 levels                    | 256 levels                    | 256 levels                            | 256 levels         | 256 levels         |
| Colour Processing                      | 16 bit                                | 16 bit                        | 16 bit                        | 16 bit                        | 16 bit                                | 16 bit             | 16 bit             |
| LED Driving Method                     | 1/46 dynamic scan                     | 1/27 dynamic scan             | 1/27 dynamic scan             | 1/30 dynamic scan             | 1/27 dynamic scan                     | 1/27 dynamic scan  | 1/15 dynamic scan  |
| Refresh Rate [Hz]                      | ≤ 3840                                | ≤ 3840                        | ≤ 3840                        | ≤ 3840                        | ≤ 3840                                | ≤ 3840             | ≤ 3840             |
| Colour Temperature [K]                 | 3000 - 9500 adjustable / 6500 default |                               |                               |                               | 3000 - 9500 adjustable / 6500 default |                    |                    |
| Power Typical [W] m <sup>2</sup>       | 380                                   | 300                           | 275                           | 275                           | 225                                   | 225                | 225                |
| Power Maximum [W] m <sup>2</sup>       | 720                                   | 600                           | 600                           | 600                           | 575                                   | 575                | 575                |
| Dimensions (W x H x D) [mm]            | 608 x 342 x 49                        | 608 x 342 x 49                | 608 x 342 x 49                | 608 x 342 x 49                | 608 x 342 x 49                        | 608 x 342 x 49     | 608 x 342 x 49     |
| Weight [kg] Module                     | 8.8                                   | 8.8                           | 8.8                           | 8.8                           | 8.8                                   | 8.8                | 8.8                |
| Serviceability                         | Front                                 |                               |                               |                               | Front                                 |                    |                    |
| IP Level (Front/Rear)                  | IP20                                  | IP20                          | IP20                          | IP20                          | IP20                                  | IP20               | IP20               |
| Certifications                         | CE, ETL, FCC Class A, RoHS            |                               |                               |                               | CE, ETL, FCC Class A, RoHS            |                    |                    |
| Warranty                               | 3 years (options to extend)           |                               |                               |                               | 3 years (options to extend)           |                    |                    |
| Available Standard Resolution Sizes    | 165" UHD                              | 110" FHD, 220" UHD            | 137" FHD                      | 110" HD, 165" FHD             | 220" FHD                              | -                  | -                  |

## FE Series Bundles | Indoor FinePitch LED Bundles\*

|  | <b>FE009i2-165</b>   | <b>FE012i2-110</b>            | <b>FE012i2-220</b> | <b>FE015i2-137</b> | <b>FE019i2-110</b>                    | <b>FE019i2-165</b> | <b>FE025i2-220</b> |
|--|--|-------------------------------|--------------------|--------------------|---------------------------------------|--------------------|--------------------|
| Order Code                             | 81000112   | 81000028                      | 81000050           | 81000020           | 81000027                              | 81000029           | 81000030           |
| Screen Size [inch/cm]                  | 165 / 419  | 110 / 279                     | 220 / 559          | 137 / 348          | 110 / 279                             | 165 / 419          | 220 / 559          |
| Resolution                             | 3840 x 2160  | 1920 x 1080                   | 3840 x 2160        | 1920 x 1080        | 1280 x 720                            | 1920 x 1080        | 1920 x 1080        |
| Module Configuration                   | 6 x 6  | 4 x 4                         | 8 x 8              | 5 x 5              | 4 x 4                                 | 6 x 6              | 8 x 8              |
| Pixel Configuration                    | 4-in-1 IMD (Black)   | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black) | 3-in-1 SMD (Black) | 3-in-1 SMD (Black)                    | 3-in-1 SMD (Black) | 3-in-1 SMD (Black) |
| LED type                               | IMD (1616)   | SMD (1010)                    | SMD (1010)         | SMD (1010)         | SMD (1010)                            | SMD (1010)         | SMD (1415)         |
| Pixel Pitch [mm]                       | 0.95   | 1.266                         | 1.266              | 1.583              | 1.9                                   | 1.9                | 2.533              |
| Brightness (max.) [cd/m <sup>2</sup> ] | 600  | 700                           | 700                | 700                | 700                                   | 700                | 1000               |
| Lifetime                               | 100000 hrs (50% brightness)  |                               |                    |                    | 100000 hrs (50% brightness)           |                    |                    |
| Contrast Ratio (typ.)                  | 5000:1   | 5000:1                        | 5000:1             | 5000:1             | 5000:1                                | 5000:1             | 5000:1             |
| Viewing Angle [°]                      | 140 horizontal / 140 vertical  | 170 horizontal / 170 vertical |                    |                    | 160 horizontal / 140 vertical         |                    |                    |
| Colour Processing                      | 16 bit   | 16 bit                        | 16 bit             | 16 bit             | 16 bit                                | 16 bit             | 16 bit             |
| LED Driving Method                     | 1/46 dynamic scan  | 1/27 dynamic scan             | 1/27 dynamic scan  | 1/27 dynamic scan  | 1/30 dynamic scan                     | 1/30 dynamic scan  | 1/27 dynamic scan  |
| Refresh Rate [Hz]                      | ≤ 3840   | ≤ 3840                        | ≤ 3840             | ≤ 3840             | ≤ 3840                                | ≤ 3840             | ≤ 3840             |
| Colour Temperature [K]                 | 3000 - 9500 adjustable / 6500 default  |                               |                    |                    | 3000 - 9500 adjustable / 6500 default |                    |                    |
| Power Typical [W]                      | 380  | 912                           | 3648               | 1425               | 912                                   | 2052               | 3008               |
| Dimensions (W x H x D) [mm]            | 3688 x 2173,5 x 81   | 2472 x 1498,5 x 81            | 4904 x 2875,5 x 81 | 3080 x 1831,5 x 81 | 2472 x 1498,5 x 81                    | 3688 x 2173,5 x 81 | 2472 x 1498,5 x 81 |
| Weight [kg]                            | 390  | 251                           | 987                | 372                | 251                                   | 494                | 987                |
| Bezel Width T-L-R / B [mm]             | 20-20-20 / 100   | 20-20-20 / 100                | 20-20-20 / 100     | 20-20-20 / 100     | 20-20-20 / 100                        | 20-20-20 / 100     | 20-20-20 / 100     |
| Connectivity via Controller            | HDMI, DVI-D, 3G-SDI, LAN, GenLock  |                               |                    |                    | HDMI, DVI-D, 3G-SDI, LAN, GenLock     |                    |                    |
| Serviceability                         | Front  | Front                         | Front              | Front              | Front                                 | Front              | Front              |
| IP Level (Front/Rear)                  | IP20   | IP20                          | IP20               | IP20               | IP20                                  | IP20               | IP20               |
| Certifications                         | CE, ETL, FCC Class A, RoHS   |                               |                    |                    | CE, ETL, FCC Class A, RoHS            |                    |                    |
| Shipping Content                       | LED Modules, 1x LED Controller, 1x Wall Mount, 1x Power Bar, Overframe Kit, Spare Parts Kit, Pixel Card Removal Tool |                               |                    |                    |                                       |                    |                    |
| Warranty                               | 3 years (options to extend)  |                               |                    |                    | 3 years (options to extend)           |                    |                    |

\* FE-E pixel card option available



## FA Series | Indoor FinePitch LED Modules

|  | <b>FA009i2</b>                        | <b>FA012i2</b>                | <b>FA015i2</b>     | <b>FA019i2</b>     | <b>FA025i2</b>                        | <b>FA031i2</b>     | <b>FA038i2</b>     |
|--|---------------------------------------|-------------------------------|--------------------|--------------------|---------------------------------------|--------------------|--------------------|
| Order Code                             | 80000290                              | 80000017                      | 80000018           | 80000019           | 80000020                              | 80000021           | 80000022           |
| Pixel Configuration                    | 4-in-1 IMD (Black)                    | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black) | 3-in-1 SMD (Black) | 3-in-1 SMD (Black)                    | 3-in-1 SMD (Black) | 3-in-1 SMD (Black) |
| LED type                               | IMD (1616)                            | SMD (1010)                    | SMD (1010)         | SMD (1010)         | SMD (1515)                            | SMD (1515)         | SMD (1515)         |
| Resolution per m <sup>2</sup>          | 1108033                               | 623269                        | 398892             | 277008             | 155817                                | 99723              | 69252              |
| Number of Pixel per module [dot]       | 230400                                | 129600                        | 82944              | 57600              | 32400                                 | 20736              | 14400              |
| Number of Pixel per card [dot]         | 28800                                 | 16200                         | 10368              | 7200               | 8100                                  | 2592               | 1800               |
| Pixel Pitch [mm]                       | 0.95                                  | 1.266                         | 1.583              | 1.9                | 2.533                                 | 3.167              | 3.8                |
| Brightness (max.) [cd/m <sup>2</sup> ] | 600                                   | 800                           | 800                | 800                | 1200                                  | 1200               | 1200               |
| Lifetime                               | 100000 hours (50% brightness)         |                               |                    |                    | 100000 hours (50% brightness)         |                    |                    |
| Contrast Ratio (typ.)                  | 5000:1                                | 5000:1                        | 5000:1             | 5000:1             | 7000:1                                | 7000:1             | 7000:1             |
| Viewing Angle [°]                      | 140 horizontal / 140 vertical         | 170 horizontal / 170 vertical |                    |                    | 160 horizontal / 160 vertical         |                    |                    |
| Colour Processing                      | 16 bit                                | 16 bit                        | 16 bit             | 16 bit             | 16 bit                                | 16 bit             | 16 bit             |
| LED Driving Method                     | 1/46 dynamic scan                     | 1/27 dynamic scan             | 1/27 dynamic scan  | 1/30 dynamic scan  | 1/30 dynamic scan                     | 1/27 dynamic scan  | 1/15 dynamic scan  |
| Refresh Rate [Hz]                      | ≤ 3840                                | ≤ 3840                        | ≤ 3840             | ≤ 3840             | ≤ 3840                                | ≤ 3840             | ≤ 3840             |
| Colour Temperature [K]                 | 3000 - 9500 adjustable / 6500 default |                               |                    |                    | 3000 - 9500 adjustable / 6500 default |                    |                    |
| Power Typical [W] m <sup>2</sup>       | 380                                   | 315                           | 275                | 275                | 225                                   | 225                | 225                |
| Power Maximum [W] m <sup>2</sup>       | 720                                   | 600                           | 600                | 600                | 575                                   | 575                | 575                |
| Dimensions (W x H x D) [mm]            | 608 x 342 x 49                        | 608 x 342 x 49                | 608 x 342 x 49     | 608 x 342 x 49     | 608 x 342 x 49                        | 608 x 342 x 49     | 608 x 342 x 49     |
| Weight [kg] Module                     | 8.8                                   | 8.8                           | 8.8                | 8.8                | 8.8                                   | 8.8                | 8.8                |
| Serviceability                         | Front                                 | Front                         | Front              | Front              | Front                                 | Front              | Front              |
| IP Level (Front/Rear)                  | IP20                                  | IP20                          | IP20               | IP20               | IP20                                  | IP20               | IP20               |
| Certifications                         | CE, FCC Class A, RoHS                 |                               |                    |                    | CE, FCC Class A, RoHS                 |                    |                    |
| Warranty                               | 3 years (options to extend)           |                               |                    |                    | 3 years (options to extend)           |                    |                    |
| Available Standard Resolution Sizes    | 165" UHD                              | 110" FHD, 220" UHD            | 137" FHD           | 110" HD, 165" FHD  | 220" FHD                              | -                  | -                  |

## FA Series Bundles | Indoor FinePitch LED Bundles

|  | <b>FA009i2-165</b>   | <b>FA012i2-110</b>            | <b>FA012i2-220</b>         | <b>FA015i2-137</b>    | <b>FA019i2-110</b>                               | <b>FA019i2-165</b> | <b>FA025i2-220</b> |
|--|--|-------------------------------|----------------------------|-----------------------|--|--------------------|--------------------|
| Order Code                             | 81000101   | 81000002                      | 81000021                   | 81000004              | 81000003   | 81000005           | 81000006           |
| Screen Size [inch/cm]                  | 165 / 419  | 110 / 279                     | 220 / 559                  | 137 / 348             | 110 / 279  | 165 / 419          | 220 / 559          |
| Resolution                             | 3840 x 2160  | 1920 x 1080                   | 3840 x 2160                | 1920 x 1080           | 1280 x 720                                       | 1920 x 1080        | 1920 x 1080        |
| Module Configuration                   | 6 x 6  | 4 x 4                         | 8 x 8                      | 5 x 5                 | 4 x 4  | 6 x 6              | 8 x 8              |
| Pixel Configuration                    | 4-in-1 IMD (Black)   | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)         | 3-in-1 SMD (Black)    | 3-in-1 SMD (Black)                               | 3-in-1 SMD (Black) | 3-in-1 SMD (Black) |
| LED type                               | IMD (1616)   | SMD (1010)                    | SMD (1010)                 | SMD (1010)            | SMD (1010)                                       | SMD (1010)         | SMD (1515)         |
| Pixel Pitch [mm]                       | 0.95   | 1.266                         | 1.266                      | 1.583                 | 1.9  | 1.9                | 2.533              |
| Brightness (max.) [cd/m <sup>2</sup> ] | 600  | 800                           | 800                        | 800                   | 800  | 800                | 1200               |
| Lifetime                               | 100000 hours (50% brightness)  |                               |                            |                       | 100000 hours (50% brightness)                    |                    |                    |
| Contrast Ratio (typ.)                  | 5000:1   | 5000:1                        | 5000:1                     | 5000:1                | 5000:1   | 5000:1             | 7000:1             |
| Viewing Angle [°]                      | 140 horizontal / 140 vertical  | 170 horizontal / 170 vertical |                            |                       | 160 horizontal / 160 vertical                    |                    |                    |
| Colour Processing                      | 16 bit   | 16 bit                        | 16 bit                     | 16 bit                | 16 bit   | 16 bit             | 16 bit             |
| LED Driving Method                     | 1/46 dynamic scan  | 1/27 dynamic scan             | 1/27 dynamic scan          | 1/27 dynamic scan     | 1/30 dynamic scan                                | 1/30 dynamic scan  | 1/27 dynamic scan  |
| Refresh Rate [Hz]                      | ≤ 3840   | ≤ 3840                        | ≤ 3840                     | ≤ 3840                | ≤ 3840   | ≤ 3840             | ≤ 3840             |
| Colour Temperature [K]                 | 3000 - 9500 adjustable / 6500 default  |                               |                            |                       | 3000 - 9500 adjustable / 6500 default            |                    |                    |
| Power Typical [W]                      | 2880   | 912                           | 3648                       | 1425                  | 912  | 2050               | 3008               |
| Dimensions (W x H x D) [mm]            | 3688 x 2173,5 x 81   | 2472 x 1498,5 x 81            | 4904 x 2875,5 x 81         | 3080 x 1831,5 x 81    | 2472 x 1498,5 x 81                               | 3688 x 2173,5 x 81 | 2472 x 1498,5 x 81 |
| Weight [kg]                            | 390  | 251                           | 660                        | 372                   | 251  | 494                | 987                |
| Bezel Width T-L-R / B [mm]             | 20-20-20 / 100   | 20-20-20 / 100                | 20-20-20 / 100             | 20-20-20 / 100        | 20-20-20 / 100                                   | 20-20-20 / 100     | 20-20-20 / 100     |
| Connectivity (via Controller)          | HDMI, DVI-D, 3G-SDI, LAN, GenLock  |                               |                            |                       | HDMI, DVI-D, 3G-SDI, LAN, GenLock                |                    |                    |
| Redundancy                             | LED Controllers, Power Supplies, Receiving Cards   |                               |                            |                       | LED Controllers, Power Supplies, Receiving Cards |                    |                    |
| Serviceability                         | Front  | Front                         | Front                      | Front                 | Front  | Front              | Front              |
| IP Level (Front/Rear)                  | IP20   | IP20                          | IP20                       | IP20                  | IP20   | IP20               | IP20               |
| Certifications                         | CE, FCC Class A, RoHS, ETL   | CE, FCC Class A, RoHS,        | CE, FCC Class A, RoHS, ETL | CE, FCC Class A, RoHS |  |                    |                    |
| Shipping Content                       | LED Modules, 2x LED Controller, 1x Wall Mount, 1x Power Bar, Overframe Kit, Spare Parts Kit, Pixel Card Removal Tool |                               |                            |                       |  |                    |                    |
| Warranty                               | 3 years (options to extend)  |                               |                            |                       | 3 years (options to extend)                      |                    |                    |

## FA Series | Indoor FinePitch Super Black LED Modules **Q Series | Indoor and Outdoor Signage**

|  | <b>FA012i2-SB</b>             | <b>FA015i2-SB</b>             |
|--|-------------------------------|-------------------------------|
| Order Code                             | 81000120                      | 81000122                      |
| LED Type                               | SMD (1010)                    | SMD (1010)                    |
| Number of Pixel per module [dot]       | 129600                        | 82944                         |
| Number of Pixel per card [dot]         | 16200                         | 10368                         |
| Pixel Pitch [mm]                       | 1267                          | 1583                          |
| Brightness (max.) [cd/m <sup>2</sup> ] | 400                           | 400                           |
| Lifetime                               | 100000                        | 100000                        |
| Contrast Ratio (typ.)                  | 5000:1                        | 5000:1                        |
| Viewing Angle [°]                      | 140 horizontal / 140 vertical | 140 horizontal / 140 vertical |
| Colour Processing                      | 16 bit                        | 16 bit                        |
| LED Driving Method                     | 1/27 dynamic scan             | 1/27 dynamic scan             |
| Refresh Rate [Hz]                      | 3840                          | 3840                          |
| Colour Temperature [K]                 | 3000-9500                     | 3000-9500                     |
| Power Typical [W] m <sup>2</sup>       | 315                           | 275                           |
| Power Maximum [W] m <sup>2</sup>       | 600                           | 600                           |
| Dimensions (W x H x D) [mm]            | 608 x 342 x 49                | 608 x 342 x 49                |
| Weight [kg] Module                     | 8.8                           | 8.8                           |
| Serviceability                         | Front                         | Front                         |
| IP Level (Front/Rear)                  | IP20                          | IP20                          |
| Certifications                         | CE, ETL, FCC Class A, RoHS    | CE, ETL, FCC Class A, RoHS    |
| Warranty                               | 2 years (options to extend)   |                               |

|  | <b>Q028i2</b>                 | <b>Q039i2</b>                 |
|--|-------------------------------|-------------------------------|
| Ordercode                              | 80000023                      | 80000024                      |
| Pixel Configuration                    | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            |
| LED type                               | SMD (2121)                    | SMD (2121)                    |
| Resolution per m <sup>2</sup>          | 123904                        | 65536                         |
| Number of Pixel per module [dot]       | 176 x 176                     | 128 x 128                     |
| Pixel Pitch [mm]                       | 2.841                         | 3.91                          |
| Brightness (max.) [cd/m <sup>2</sup> ] | 1200                          | 1200                          |
| Lifetime                               | 100000 hours (50% brightness) |                               |
| Contrast Ratio (typ.)                  | 7.000:1                       | 7.000:1                       |
| Viewing Angle [°]                      | 160 horizontal / 140 vertical | 140 horizontal / 140 vertical |
| Dimming Capability                     | 256 levels                    | 256 levels                    |
| Colour Processing                      | 16 bit                        | 16 bit                        |
| LED Driving Method                     | 1/22 dynamic scan             | 1/16 dynamic scan             |
| Refresh Rate [Hz]                      | < 3840                        | < 3840                        |
| Colour Temperature [K]                 | 3200 - 9300                   | 3200 - 9300                   |
| Power Typical [W] m <sup>2</sup>       | 200                           | 200                           |
| Power Maximum [W] m <sup>2</sup>       | 480                           | 480                           |
| Dimensions (W x H x D) [mm]            | 500 x 500 x 70                | 500 x 500 x 70                |
| Weight [kg]                            | 8.3                           | 8.3                           |
| Dimension Pixelcard (W x H) [mm]       | 250 x 250                     | 250 x 250                     |
| Serviceability                         | Front; Rear Service           |                               |
| IP Level (Front/Rear)                  | IP30                          | IP30                          |
| Certifications                         | CE, ETL, FCC Class A, RoHS    |                               |
| Warranty                               | 2 years (options to extend)   |                               |

## **Q Series | Indoor and Outdoor Signage**

## **B Series**

## **A Series | Indoor LED Poster**

|  | <b>Q028e2</b>                 | <b>Q039e2</b>                 | <b>Q048e2</b>                 | <b>B039i</b>                  | <b>A019i</b>                  | <b>A025i</b>       |
|--|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|--------------------|
| Ordercode                              | 80000027                      | 80000028                      | 80000029                      | 80000026                      | 80000009                      | 80000010           |
| Pixel Configuration                    | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black)            | 3-in-1 SMD (Black) |
| LED type                               | SMD (1415)                    | SMD (1921)                    | SMD (1921)                    | SMD (2121)                    | SMD (1010)                    | SMD (2121)         |
| Resolution per m <sup>2</sup>          | 123904                        | 65536                         | 43264                         | 65536                         | 257307                        | 155655             |
| Number of Pixel per module [dot]       | 176 x 176                     | 128 x 128                     | 104 x 104                     | 4096                          | 279936                        | 169344             |
| Pixel Pitch [mm]                       | 2.84                          | 3.91                          | 4.8                           | 3.91                          | 1.944                         | 2.5                |
| Brightness (max.) [cd/m <sup>2</sup> ] | 4000                          | 5500                          | 5500                          | 1000                          | 1000                          | 1000               |
| Lifetime                               | 100000 hours (50% brightness) |                               |                               | 100000 hours (50% brightness) | 100000 hours (50% brightness) |                    |
| Contrast Ratio (typ.)                  | 7.000:1                       | 6000:1                        | 6000:1                        | 3000:1                        | 4500:1                        | 4500:1             |
| Viewing Angle [°]                      | 140 horizontal / 140 vertical | 140 horizontal / 120 vertical | 140 horizontal / 140 vertical | 160 hor / 160 ver             | 150 horizontal / 140 vertical |                    |
| Colour Processing                      | 256 levels                    | 256 levels                    | 256 levels                    | 16 bit                        | 13 bit                        | 13 bit             |
| Colours                                | 16 bit                        | 16 bit                        | 16 bit                        | 281 trillion                  | 549 billion                   | 549 billion        |
| LED Driving Method                     | 1/22 dynamic scan             | 1/8 dynamic scan              | 1/13 dynamic scan             | 1/16 dynamic scan             | 1/27 dynamic scan             | 1/28 dynamic scan  |
| Refresh Rate [Hz]                      | < 3840                        | < 3840                        | < 3840                        | 2400                          | 2880                          | 2880               |
| Colour Temperature [K]                 | 3200 - 9300                   | 3200 - 9300                   | 3200 - 9300                   | 3200 - 9300 adjustable        | 3200 - 9300 adjustable        |                    |
| Power Typical [W] m <sup>2</sup>       | 270                           | 240                           | 240                           | 136                           | 250                           | 200                |
| Power Maximum [W] m <sup>2</sup>       | 720                           | 640                           | 640                           | 400                           | 750                           | 600                |
| Dimensions (W x H x D) [mm]            | 500 x 500 x 70                | 500 x 500 x 70                | 500 x 500 x 70                | 500 x 500 x 78                | 572 x 1,902 x 35              | 572 x 1,902 x 35   |
| Weight [kg]                            | 8.5                           | 8.5                           | 8.5                           | 9                             | 32                            | 32                 |
| Dimension Pixelcard (W x H) [mm]       | 250 x 250                     | 250 x 250                     | 250 x 250                     | 250 x 250                     | -                             | -                  |
| Serviceability                         | Front; Rear Service           |                               |                               | Standard Rear, Front Optional | Front                         | Front              |
| IP Level (Front/Rear)                  | IP65                          | IP65                          | IP65                          | IP30                          | IP20                          | IP20               |
| LED Protection                         | -                             | -                             | -                             | -                             | Clear Protection Layer        |                    |
| Certifications                         | CE, ETL, FCC Class A, RoHS    |                               |                               | CE, EMC Class B, RoHS, CCC    | CE, FCC Class A, RoHS, CCC    |                    |
| Warranty                               | 2 years (options to extend)   |                               |                               | 2 years (options to extend)   | 2 years (options to extend)   |                    |

# Projectors



With scalable bezel-free image sizing, projection is the most flexible of display solutions providing creative opportunities to inform, present and impress. Offering many advantages where flat screen displays are unsuitable, Sharp/NEC offers a wide range of technologies and brightness levels to perfectly meet the needs of numerous and varied applications.

## Desktop Projectors

ME Series      Light-weight yet powerfully bright portable projection

## Professional Projectors

PE-P Series      Professional installation balancing price with impressive performance

## Installation Projectors

PA Series      Ready for large venue installations requiring great visual performance

PX Series      Maximum flexibility and extraordinary brightness for large venues

PH Series      For demanding large venue setups and uncompromising visualisation

**3**  
YEARS  
WARRANTY

UP TO  
**5**  
YEARS  
OPTIONAL  
WARRANTY

## Desktop Projectors

Adaptable, professional projectors for mobile or mounted usage, Sharp/NEC's desktop projection range delivers good brightness capacities and long lamp and filter life to ensure a compellingly low total cost of ownership (TCO). Let your presentation shine bright and vivid with the confidence that your investment is secure.

3800 to 4000 Lumen\*

ME Series



## Professional Projectors

With high brightness levels and professional features, this series delivers affordable large-screen projection performance. Enjoy peace of mind with future proof connectivity and a low total cost of ownership (TCO). Deliver impressive high impact presentations, further enhanced by our super-silent laser models for no noise disturbance during meetings.

4500 to 6000 Lumen\*

PE Series

P Series



## Installation Projectors

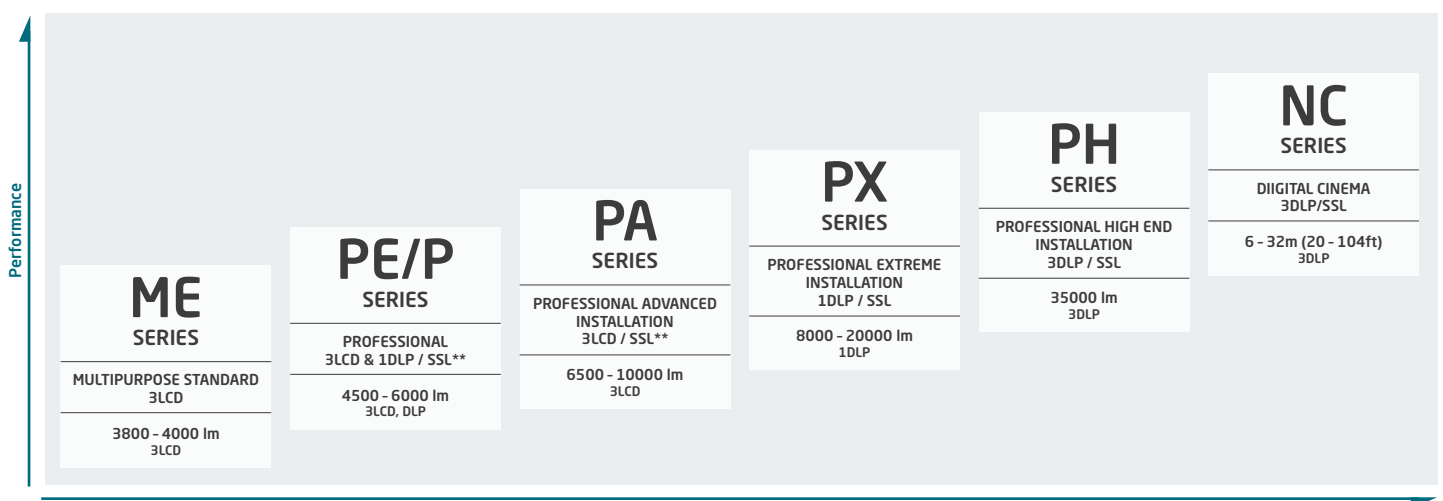
For demanding professional setups, Sharp/NEC's installation projector ranges provide 24/7 operation, low TCOs driven by low maintenance filter-free design and long-lasting 20,000 h laser light technology, latest interface technologies and highest installation flexibility. With premium class picture quality these projection solutions offer a compelling proposition.

6500 to 40000 Lumen\*

PA Series

PX Series

PH Series



## ME Series | Desktop

## PE Series | Professional

|  | ME383W   | ME403U   |
|--|--|--|
| Order Code   | 60005220   | 60005221   |
| Projection Technology                                | 3LCD   | 3LCD   |
| Aspect Ratio   | 16:10  | 16:10  |
| Native Resolution                                    | 1280 x 800 (WXGA)  | 1920 x 1200 (WUXGA)  |
| Brightness [Lumen]                                   | 3800   | 4000   |
| Contrast Ratio                                       | 16000:1  | 16000:1  |
| Projection Factor                                    | 1.2 – 2.1 : 1  | 1.2 – 2.1 : 1  |
| Projection Distance [m]                              | 0.94 – 11.59   | 0.75 – 12.88   |
| Projection Angle [°]                                 | 6.6 - 11.1   | 6.6 - 11.1   |
| Screen Size (cm / inch)                              | min. 76 / 30<br>max. 762 / 300   | min. 76 / 30<br>max. 762 / 300   |
| Zoom / Focus   | x1.7 / Manual  | x1.6 / Manual  |
| Connectivity   | 2 HDMI, RGB: in/Out, Video, LAN, PC Control, USB B, Audio: 2 In, 1 Out | 2 HDMI, RGB: in/Out, Video, LAN, PC Control, USB B, Audio: 2 In, 1 Out |
| Power [W AC] Hi-Bright / Normal / ECO / Power-Saving | 288 / 196 / 0.5  | 295 / 207 / 0.5  |
| Lamp Life Normal / ECO [hrs.]                        | 10000 / 20000  | 10000 / 20000  |
| Dimensions (W x H x D) [mm]                          | 345 x 104.6 x 261  | 345 x 104.6 x 261  |
| Weight [kg]  | 3.2  | 3.5  |
| Speakers (mono) [W]                                  | 1 x 16   | 1 x 16   |
| NaViSet Administrator 2                              | •  | •  |

|  | PE455WL  | PE455UL                            |
|--|--|------------------------------------|
| Ordercode  | 60004913   | 60004912                           |
| Projection Technology                                | 3LCD   | 3LCD                               |
| Aspect Ratio   | 16:10  | 16:10                              |
| Native Resolution                                    | 1280 x 800 (WXGA)  | 1920 x 1200 (WUXGA)                |
| Brightness [Lumen]                                   | 4500   | 4500                               |
| Contrast Ratio                                       | 500000:1   | 500000:1                           |
| Projection Factor                                    | 15:9   | 15:9                               |
| Projection Distance [m]                              | 0.8 - 13.5   | 0.8 - 13.5                         |
| Projection Angle [°]                                 | -  | -                                  |
| Screen Size (cm / inch)                              | min.: 76.2 / 30<br>max.: 762 / 300   | min.: 76.2 / 30<br>max.: 762 / 300 |
| Zoom / Focus   | Digital / Manual   | Digital / Manual                   |
| Connectivity   | 2 HDMI, D-Sub 15-pin, PC Control, USB A, USB B (for Service), LAN, optional WLAN, Audio: 1 In, 1 Out, MultiPresenter functionality |                                    |
| Power [W AC] Hi-Bright / Normal / ECO / Power-Saving | - / 308 / 222 / 0.3  | - / 308 / 222 / 0.3                |
| Lamp Power: [W / UHP AC]                             | Laser Phosphor   | Laser Phosphor                     |
| Lamp Life Normal / ECO [hrs.]                        | 20000  | 20000                              |
| Dimensions (W x H x D) [mm]                          | 480 x 122 x 407  | 480 x 122 x 407                    |
| Weight [kg]  | 9.7  | 9.7                                |
| Speakers [W]   | 1 x 20   | 1 x 20                             |
| Education Warranty Available                         | -  | -                                  |
| NaViSet Administrator 2                              | •  | •                                  |

## P Series | Professional

|  | P554W   | P554U                            | P603X  | P506QL   | P525WL  | P525UL                           | P605UL                           |
|--|---|----------------------------------|--|--|---|----------------------------------|----------------------------------|
| Order Code                                 | 60004330  | 60004329                         | 60004331   | 60004812   | 60004328  | 60004708                         | 60004811                         |
| Projection Technology                      | 3LCD  | 3LCD                             | 3LCD   | 1-chip DLP™  | 3LCD  | 3LCD                             | 3LCD                             |
| Aspect Ratio                               | 16:10   | 16:10                            | 4:3  | 16:9   | 16:10   | 16:10                            | 16:10                            |
| Resolution                                 | 1280 x 800 (WXGA)   | 1920 x 1200 (WUXGA)              | 1024 x 768 (XGA)   | 3840 x 2160 (4K UHD)   | 1280 x 800 (WXGA)   | 1920 x 1200 (WUXGA)              | 1920 x 1200 (WUXGA)              |
| Brightness [Lumen]                         | 5500  | 5300                             | 6000   | 5000   | 5000  | 5000                             | 6000                             |
| Brightness in ECO Mode [approx. %]         | 80  | 80                               | 80   | 80   | 80  | 80                               | 80                               |
| Contrast Ratio                             | 20000:1   | 20000:1                          | 20000:1  | 500000:1   | 500000:1  | 500000:1                         | 500000:1                         |
| Lens [mm]                                  | F= 1.7 - 2.2<br>f= 17.4 - 29.0  | F= 1.5 - 2.08<br>f= 17.2 - 27.7  | F= 1.7 - 2.2<br>f= 17.4 - 29.0   | F= 1.8-2.43,<br>f= 12.1-18.1   | F= 1.5 - 2.1<br>f= 17.2 - 27.6  | F= 1.5 - 2.1<br>f= 17.2 - 27.6   | F= 1.5 - 2.1<br>f= 17.2 - 27.6   |
| Projection Factor (std. option)            | 1.2 - 2.1:1   | 1.2 - 2.0:1                      | 1.3 - 2.2:1  | 1.13 - 1.7:1   | 1.23 - 2:1  | 1.23 - 2:1                       | 1.23 - 2:1                       |
| Projection Distance [m]                    | 0.8 - 13.5  | 0.8 - 12.9                       | 0.8 - 13.8   | 1.6 - 8  | 0.8 - 13.5  | 0.8 - 13.5                       | 0.8 - 13.5                       |
| Screen Size (cm / inch)                    | min.: 76 / 30<br>max.: 762 / 300  | min.: 76 / 30<br>max.: 762 / 300 | min.: 76 / 30<br>max.: 762 / 300   | min.: 127 / 50<br>max.: 787 / 310  | min.: 76 / 30<br>max.: 762 / 300  | min.: 76 / 30<br>max.: 762 / 300 | min.: 76 / 30<br>max.: 762 / 300 |
| Lens Adjustment                            | Manual  | Manual                           | Manual   | Manual   | Manual  | Manual                           | Manual                           |
| Connectivity                               | 2 HDMI, HDBaseT, Video, USB A, USB B (for Service), PC Control, D-Sub 15-pin, LAN, Audio: 2 In, 1 Out |                                  | 2 HDMI, Video, USB A, USB B (for Service), PC Control, D-Sub 15-pin, LAN, Audio: 2 In, 1 Out | 2 HDMI, HDBaseT, D-Sub 15-pin, PC Control, USB A, USB B (for Service), LAN, optional WLAN, Audio: 1 In, 1 Out, 3D Sync | 2 HDMI, HDBaseT, D-Sub 15-pin, PC Control, USB A, USB B (for Service), LAN, optional WLAN, Audio: 1 In, 1 Out, MultiPresenter functionality |                                  |                                  |
| Power [W AC] Standard / ECO / Power-Saving | 422 / 267 / 0.2   | 431 / 277 / 0.17                 | 414 / 258 / 0.2  | 580 / 330 / 0.5  | 320 / 238 / 0.3   | 320 / 238 / 0.3                  | 320 / 238 / 0.3                  |
| Lamp Power: [W / UHP AC]                   | 330   | 330                              | 330  | Laser Phosphor   | Laser Phosphor  | Laser Phosphor                   | Laser Phosphor                   |
| Lamp Life: Normal / ECO [hrs.]             | 4000 / 8000   | 4000 / 8000                      | 4000 / 8000  | 20000  | 20000   | 20000                            | 20000                            |
| Dimensions (W x H x D) [mm]                | 420 x 133 x 322   | 420 x 133 x 322                  | 420 x 133 x 322  | 480 x 158 x 400  | 480 x 122 x 407   | 480 x 122 x 407                  | 480 x 122 x 407                  |
| Weight [kg]                                | 4.7   | 4.8                              | 4.7  | 11.5   | 9.7   | 9.7                              | 9.7                              |
| Speakers (mono) [W]                        | 1 x 20  | 1 x 20                           | 1 x 20   | 1 x 10   | 1 x 20  | 1 x 20                           | 1 x 20                           |
| Education Warranty Available               | •   | •                                | •  | -  | -   | -                                | -                                |
| NaViSet Administrator 2                    | •   | •                                | •  | •  | •   | •                                | •                                |

## PA Series | Professional Advanced

|  | PA653U  | PA703W              | PA803U              | PA853W              | PA903X  | PA703UL             | PA804UL                        | PA1004UL                       |
|--|---|---------------------|---------------------|---------------------|---|---------------------|--------------------------------|--------------------------------|
| Order Code                                 | 60004120  | 60004080            | 60004121            | 60004119            | 60004118  | 60004921            | 60005161 (BK)<br>60005035 (WH) | 60005160 (BK)<br>60004512 (WH) |
| Projection Technology                      | 3LCD  | 3LCD                | 3LCD                | 3LCD                | 3LCD  | 3LCD                | 3LCD                           | 3LCD                           |
| Aspect Ratio                               | 16:10   | 16:10               | 16:10               | 16:10               | 4:3   | 16:10               | 16:10                          | 16:10                          |
| Native Resolution                          | 1920 x 1200 (WUXGA)   | 1280 x 800 (WXGA)   | 1920 x 1200 (WUXGA) | 1280 x 800 (WXGA)   | 1024 x 768 (XGA)  | 1920 x 1200 (WUXGA) | 1920 x 1200 (WUXGA)            | 1920 x 1200 (WUXGA)            |
| Brightness [Lumen]                         | 6500  | 7000                | 8000                | 8500                | 9000  | 7000                | 8200                           | 10000                          |
| Brightness in ECO Mode [approx. %]         | 80  | 80                  | 80                  | 80                  | 80  | 80                  | 80                             | 80                             |
| Contrast Ratio                             | 8000:1  | 8000:1              | 10000:1             | 10000:1             | 10000:1   | 2500000:1           | 3000000:1                      | 3000000:1                      |
| Lens [mm]                                  | optional  | optional            | optional            | optional            | optional  | optional            | optional                       | optional                       |
| Lens: optional bayonet lenses              | 9   | 9                   | 9                   | 9                   | 9   | 4                   | 9                              | 9                              |
| Projection Factor (std. option)            | 1.3-3.02:1 (NP41ZL)   | 1.3-3.02:1 (NP41ZL) | 1.3-3.02:1 (NP41ZL) | 1.3-3.02:1 (NP41ZL) | 1.3-3.02:1 (NP41ZL)   | 1.3-3.02:1 (NP41ZL) | 1.3-3.02:1 (NP41ZL)            | 1.3-3.02:1 (NP41ZL)            |
| Projection Distance [m]                    | 0.7 - 50.9  | 0.7 - 50.9          | 0.7 - 50.9          | 0.7 - 50.9          | 0.7 - 50.9  | 0.7 - 50.9          | 0.7 - 50.9                     | 0.7 - 50.9                     |
| Screen Size (cm / inch)                    | 1270 / 500  | 1270 / 500          | 1270 / 500          | 1270 / 500          | 1270 / 500  | 1270 / 500          | 1270 / 500                     | 1270 / 500                     |
| Lens Adjustment                            | Manual / Motorised  | Manual / Motorised  | Manual / Motorised  | Manual / Motorised  | Manual / Motorised  | Motorized           | Manual / Motorised             | Manual / Motorised             |
| Connectivity                               | HDMI: 2 In, DP, D-Sub 15-pin, LAN, USB A, HDBaseT In/ Out, Audio: 1 In, 1 Out, 3D Sync, Remote In |                     |                     |                     | HDMI: 2 In, DP, D-Sub 15-pin, LAN, USB A, HDBaseT In/ Out, Audio: 1 In, 1 Out, 3D Sync, Remote In |                     |                                |                                |
| Power [W AC] Standard / ECO / Power-Saving | 482 / 376 / 0.26  | 482 / 376 / 0.26    | 542 / 376 / 0.26    | 542 / 376 / 0.26    | 542 / 376 / 0.26  | 613 / 556 / 0.16    | 615 / 350 / 0.28               | 725 / 395 / 0.28               |
| Lamp Power: Normal / ECO [W / UHP AC]      | 370 / 280   | 370 / 280           | 420 / 280           | 420 / 280           | 420 / 280   | Laser Phosphor      | Laser Phosphor                 | Laser Phosphor                 |
| Lamp Life: Hi Br / Normal / ECO [hrs.]     | - / 4000 / 5000   | - / 4000 / 5000     | - / 3000 / 5000     | - / 3000 / 5000     | - / 3000 / 5000   | 20000               | 20000                          | 20000                          |
| Dimensions (W x H x D) [mm]                | 499 x 163.7 x 406   | 499 x 163.7 x 406   | 499 x 163.7 x 406   | 499 x 163.7 x 406   | 499 x 163.7 x 406   | 580 x 208 x 494     | 599 x 208 x 490                | 599 x 208 x 490                |
| Weight [kg]                                | 10.2  | 10.2                | 10.2                | 10.2                | 10.2  | 18.2                | 24.1                           | 24.4                           |
| NaViSet Administrator 2                    | •   | •                   | •                   | •                   | •   | •                   | •                              | •                              |
| ProAssist                                  | -   | -                   | -                   | -                   | -   | •                   | •                              | •                              |

## PX Series | Professional Extreme

## PH Series | High-End

|   | PX803UL  | PX1004UL                         | PX1005QL  | PX2000UL  | PH3501QL   |
|---|--|----------------------------------|---|---|--|
| Order Code  | 60004009 (BK),<br>60004010 (WH)  | 60004235 (BK),<br>60004077 (WH)  | 60004489 (BK),<br>60004490 (WH)   | 60004511  | 60004622   |
| Projection Technology                                 | 1-chip DLP™  | 1-chip DLP™                      | 1-chip DLP™   | 1-chip DLP™   | 3-chip DLP™  |
| Aspect Ratio  | 16:10  | 16:10                            | 16:9  | 16:10   | 17:9   |
| Native Resolution                                     | 1920 x 1200 (WUXGA)  | 1920 x 1200 (WUXGA)              | 3840 x 2160 (4KUHD)   | 1920 x 1200 (WUXGA)   | 4096 x 2160 (4K)   |
| Brightness [Lumen]                                    | 8000   | 10000                            | 10000   | 18000   | 35000  |
| Brightness in ECO Mode [approx. %]                    | 80   | 80                               | 80  | 80  | 80   |
| Contrast Ratio (DB™ = with DynamicBlack™)             | 10000:1  | 10000:1                          | 10000:1   | 10000:1   | 30000:1  |
| Lens [mm]   | optional   | optional                         | optional  | optional  | optional   |
| Lens: optional bayonet lenses (LM = with lens memory) | 8 (6 with LM)  | 8 (6 with LM)                    | 8 (6 with LM)   | 5   | 7  |
| Projection Factor (std. option)                       | depending on lens selection  | depending on lens selection      | depending on lens selection   | depending on lens selection   | depending on lens selection  |
| Projection Distance [m]                               | 0.86 - 118   | 0.86 - 118                       | 0.86 - 118  | 0.81 - 84   | 2.0 - 50.0   |
| Screen Size (cm / inch)                               | Min: 100 / 40<br>Max: 1270 / 500   | Min: 100 / 40<br>Max: 1270 / 500 | Min: 100 / 40<br>Max: 1270 / 500  | Min: 100 / 40<br>Max: 1270 / 500  | min.: 254 / 100<br>max.: 2540 / 1000   |
| Lens Adjustment                                       | Motorised  | Motorised                        | Motorised   | Motorised   | Motorised  |
| Connectivity  | HD-BaseT, HDMI In/Out, DP, RGB In, 5BNC (incl. Video / S-Video), LAN, optional WLAN, USB A, PC Control, 3D Sync Out, Remote In, OPS slot |                                  | HDBaseT, 2 DP, 2 HDMI In, LAN, USB Typ A, PC Control, 3D Sync, 4x 3G-SDI, Remote-In, OPS slot | HDBaseT, DP, 2 HDMI, DVI, 3G-SDI, S-Sub9, 5BNC, Mini D-sub 15 pin, RJ45 | HDBaseT, 2 DP, 2 HDMI In, LAN, USB Typ A, PC Control, 3D Sync, 4 x 3G-SDI, Remote-In, OPS slot |
| Power [W AC] Standard / ECO                           | 850 / 446  | 1165 / 605                       | 1222 / 977  | 1900 / -  | 4705   |
| Lamp Power: Normal / ECO [W / UHP AC]                 | Laser Phosphor   | Laser Phosphor                   | Laser Phosphor  | RB Laser  | RB Laser   |
| Lamp Life: Hi Br / Normal / ECO [hrs.]                | 20000  | 20000                            | 20000   | 20000   | 20000  |
| Dimensions (W x H x D) [mm]                           | 500 / 211 / 577  | 500 / 211 / 577                  | 500 / 211 / 577   | 745 / 248 / 530   | 697 x 455 x 1180   |
| Weight [kg]   | 28   | 28                               | 28  | 54  | 169  |
| NaViSet Administrator 2                               | •  | •                                | •   | •   | •  |
| ProAssist   | •  | •                                | -   | -   | -  |

# Digital Cinema Projectors

Deliver a blockbuster experience satisfying the highest expectations of today's cinema-goers. A leading name in Digital Cinema projection, Sharp/NEC's modular customizable solutions can be configured to suit whatever size and format of venue to maximize revenue generation. Breath-taking, pin sharp images with precise colour reproduction plus easy operation makes Sharp/NEC the ideal solution for theatres and art houses.



For more detailed information please visit: [www.digital-cinema-nec.com](http://www.digital-cinema-nec.com)

## NC Series | Digital Cinema

|                              | <b>NC1000C</b>  | <b>NC3240S</b>  | <b>NC1202L</b>  | <b>NC1402L</b>  | <b>NC1700L</b>  | <b>NC2041L</b>   |
|------------------------------|---|---|---|---|---|--|
| Order Code                   | 60004093  | 60003070  | 60005042  | 60005041  | 60004088  | 60004090   |
| DMD                          | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology   |
| Screen Sizes (m)             | up to 10.6  | up to 32  | up to 12  | up to 14  | up to 17  | up to 20   |
| Light Source                 | 400 W x 2 NSH Lamps   | max. 7.0KW  | <b>Laser Phosphor</b>   | <b>Laser Phosphor</b>   | <b>RB Laser</b>   | <b>RB Laser</b>  |
| Contrast Ratio (full on/off) | > 1600:1  | > 2200:1  | > 1600:1  | > 1600:1  | > 1750:1  | > 2000:1   |
| DMD Specifications           | 2K, 0.69" DC2K  | 4K, 1.38" DC2K  | 2K, 0.69" DC2K  | 2K, 0.69" DC2K  | 2K, 0.69" DC2K  | 4K, 1.38" DC4K   |
| Primary Lenses               | 1.2 to 1.72:1 zoom;<br>1.33 to 2.1:1 zoom;<br>1.62 to 2.7:1 zoom;<br>2.09 to 3.9:1 zoom;<br>4.07 to 6.34:1 zoom | 1.13 to 1.66:1 zoom;<br>1.30 to 1.85:1 zoom;<br>1.44 to 2.16:1 zoom;<br>1.63 to 2.71:1 zoom;<br>1.95 to 3.26:1 zoom;<br>2.71 to 3.89:1 zoom | 1.2 to 1.72:1 zoom;<br>1.33 to 2.1:1 zoom;<br>1.62 to 2.7:1 zoom;<br>2.09 to 3.9:1 zoom;<br>4.07 to 6.34:1 zoom | 1.2 to 1.72:1 zoom;<br>1.33 to 2.1:1 zoom;<br>1.62 to 2.7:1 zoom;<br>2.09 to 3.9:1 zoom;<br>4.07 to 6.34:1 zoom | 1.2 to 1.72:1 zoom;<br>1.33 to 2.1:1 zoom;<br>1.62 to 2.7:1 zoom;<br>2.09 to 3.9:1 zoom;<br>4.07 to 6.34:1 zoom | 1.13 to 1.66:1 zoom;<br>1.3 to 1.85:1 zoom;<br>1.45 to 2.17:1 zoom;<br>1.63 to 2.71:1 zoom;<br>1.95 to 3.26:1 zoom;<br>2.71 to 3.89:1 zoom |
| Dimension (W x H x D) [mm]   | 621 x 314 x 798   | 700 x 503 x 1124  | 700 x 288 x 812   | 700 x 288 x 812   | 700 x 326 x 930   | 697 x 455 x 1180   |
| Cooling Method               | No Air Duct   | Liquid Cooling inside, aircooling with dust-preventing electrostatic filter   | Liquid: Air and liquid cooling inside   | Liquid: Air and liquid cooling inside   | Circulating air cooling system, external chiller  | Liquid Cooling inside  |

|                              | <b>NC1802ML</b>   | <b>NC2002ML</b>   | <b>NC2402ML</b>   | <b>NC2443ML</b>   | <b>NC3541L</b>   | <b>NC3540LS</b>  |
|------------------------------|---|---|---|---|--|--|
| Order Code                   | 40001312  | 40001313  | 40001314  | 40001392  | 60004089   | 60004087   |
| Components                   | Projector Head NP-02HD<br>Laser Light Source NP-18LU01  | Projector Head NP-02HD<br>Laser Light Source NP-20LU01  | Projector Head NP-02HD<br>Laser Light Source NP-24LU01  | Projector Head NP-42HD<br>Laser Light Source NP-24LU03  | -  | -  |
| DMD                          | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology  | DC Chip DLP Technology   | DC Chip DLP Technology   |
| Screen Sizes (m)             | up to 19  | up to 20  | up to 22  | up to 22  | up to 32   | up to 28   |
| Light Source                 | <b>Laser Phosphor</b>   | <b>RB Laser</b>   | <b>RB Laser</b>   | <b>RB Laser</b>   | <b>RB Laser</b>  | <b>RGB Laser</b>   |
| Contrast Ratio (full on/off) | > 2000:1  | > 2000:1  | > 2000:1  | > 2000:1  | > 2000:1   | > 2000:1   |
| DMD Specifications           | Chip: 0.98" DC2K  | Chip: 0.98" DC2K  | Chip: 0.98" DC2K  | Chip: 0.98" TRP 4K DLP  | 4K, 1.38" DC4K   | 4K, 1.38" DC4K   |
| Primary Lenses               | 1.2 to 1.81:1 zoom;<br>1.4 to 2.05:1 zoom;<br>1.59 to 2.53:1 zoom;<br>1.9 to 3.25:1 zoom;<br>2.4 to 3.9:1 zoom;<br>3.9 to 6.52:1 zoom | 1.2 to 1.81:1 zoom;<br>1.4 to 2.05:1 zoom;<br>1.59 to 2.53:1 zoom;<br>1.9 to 3.25:1 zoom;<br>2.4 to 3.9:1 zoom;<br>3.9 to 6.52:1 zoom | 1.2 to 1.81:1 zoom;<br>1.4 to 2.05:1 zoom;<br>1.59 to 2.53:1 zoom;<br>1.9 to 3.25:1 zoom;<br>2.4 to 3.9:1 zoom;<br>3.9 to 6.52:1 zoom | 1.2 to 1.81:1 zoom;<br>1.4 to 2.05:1 zoom;<br>1.59 to 2.53:1 zoom;<br>1.9 to 3.25:1 zoom;<br>2.4 to 3.9:1 zoom;<br>3.9 to 6.52:1 zoom | 1.13 to 1.66:1 zoom;<br>1.3 to 1.85:1 zoom;<br>1.45 to 2.17:1 zoom;<br>1.63 to 2.71:1 zoom;<br>1.95 to 3.26:1 zoom;<br>2.71 to 3.89:1 zoom | 1.13 to 1.66:1 zoom;<br>1.3 to 1.85:1 zoom;<br>1.44 to 2.16:1 zoom;<br>1.63 to 2.71:1 zoom;<br>1.95 to 3.26:1 zoom;<br>2.71 to 3.89:1 zoom |
| Dimension (W x H x D) [mm]   | 697 x 510 x 1337  | 697 x 510 x 1337  | 697 x 510 x 1337  | 697 x 510 x 1,095   | 697 x 455 x 1180   | 666 x 364 x 737  |
| Cooling Method               | Circulating air cooling system<br>Liquid Cooling inside   | Circulating air cooling system<br>Liquid Cooling inside   | Circulating air cooling system<br>Liquid Cooling inside   | Circulating air cooling system;<br>Liquid Cooling inside  | Liquid Cooling inside,<br>air cooling with dust-preventing electrostatic filter  | Liquid Cooling inside,<br>air cooling with dust-preventing electrostatic filter,<br>external chiller                                       |

# Software



## NaViSet Administrator 2

An essential tool for large estates, the all-in-one NaViSet Administrator 2 software enables IT administrators to remotely manage their network of NEC display devices and Windows PCs. In multi-device environments, this system simplifies the handling and control of devices helping to keep maintenance costs low, minimise downtime and ensure the efficient use of resources.



## ProAssist

Where projected images appear side-by-side or overlap, even imperceptible misalignments in colour and brightness become jarringly apparent. Making manual adjustments to individual projectors is difficult, yet with ProAssist, each projector is fine-tuned via the network to produce a single homogeneous result. ProAssist manages the settings for colour uniformity, colour gamma, lens control as well as edge blending in one single application.

The detailed feature support is depending on the projector model.





## Hiperwall

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The IP based video wall content and source management software is the preferred choice for mission critical applications such as control rooms to visualise vast amounts of information from multiple data sources via video walls, projection, large format displays and LED walls. Highest flexibility allows the operator to manipulate and visualise crucial real-time content.



## NEC MediaPlayer

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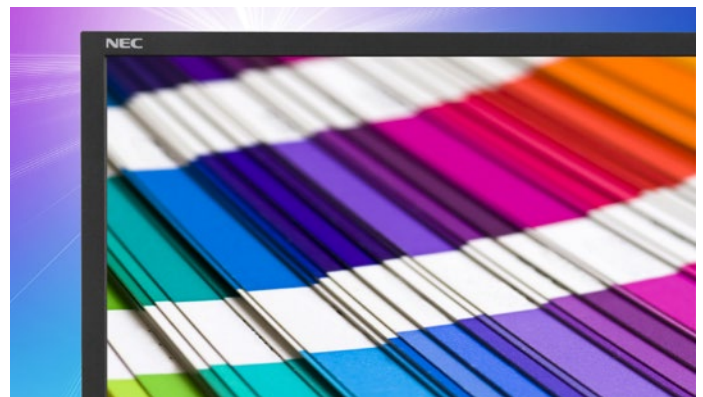
Straight out of the box, this modular SoC MediaPlayer powered by Raspberry Pi provides an intuitive plug & play digital signage solution. Creating and scheduling content for visual experiences in retail, leisure, transport, QSR or for corporate information has never been so simple to manage. Embedded within NEC's OMP signage displays, it drives content to a single display or to multiple displays across a network. Direct access to additional apps such as streaming, HTML5 browser, network storage or other content management systems completes this powerful offering.



## SpectraView® II

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The Calibration and Profiling applications provide a highly accurate, reliable and repeatable hardware colour management set. Designed for creative professionals using colour-accurate applications, SpectraView II and SpectraView Profiler software is designed for NEC PA Series desktops as well as the NEC large format UHD monitors.



## NEC Display Wall Calibrator

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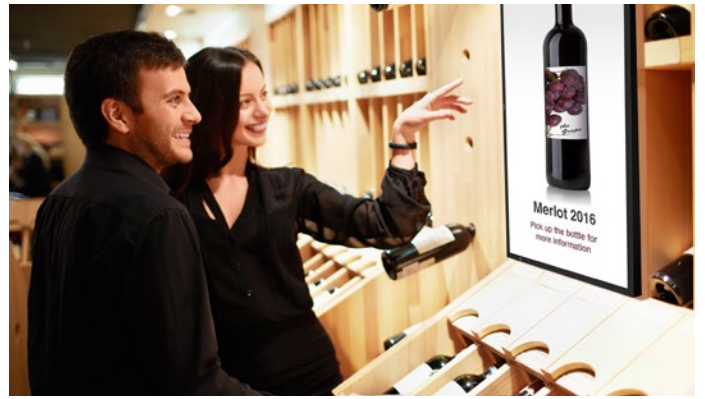
Ensuring multiple display configurations deliver impactful viewing experiences, the NEC Display Wall Calibrator software adjusts colours and brightness of a whole video wall. The NEC colorimeter measures all relevant colour characteristics to achieve a perfectly matched result across all screens to ensure uniformity and the impression of one single digital canvas.



## Leafengine

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Context-aware signage enhances engagement and boosts buying rates and sales success through smarter, more tailored advertising and customer interaction. This IoT middleware is the interface facilitating the integration of a variety of sensors into a signage system, making signage more intelligent and personalised, thus maintaining customer focus and attention.



## Mosaic Connect

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A wireless presentation tool that is simple, smart and secure. With Mosaic Connect multiple presenters can wirelessly share content from any device to the CB Series display. It works securely with any network configuration, including corporate Wi-Fi, guest Wi-Fi, mobile data, a hotspot or any combination. In addition every Mosaic Connect meeting is protected by a unique ID, 4-digit PIN and is encrypted end to end.



## Quicklaunch™ Ultimate Edition

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Quicklaunch™ is a simple and secure meeting room interface that provides multi-platform integration to transform your NEC InfinityBoard into a one-click meeting space. Easily launch and control any meeting - just "One Touch" to join meetings, collaborating, share devices and more. Features like room reset and lockdown mode make it a secure solution for IT and end users. The customisable user interface includes the possibility of changing logos, colours, action tiles.



## FlatFrog Board

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Free NEC Pro Bundle of FlatFrog Board available for all NEC InGlass™ touch displays. FlatFrog Board is a new collaborative whiteboard that turns ordinary meetings into productive collaboration sessions. FlatFrog Board 3-in-1 meeting solution is equipped with a digital WHITEBOARD, SCREENSHARE capabilities and remote COLLABORATION\*.



\* Remote collaboration functionality is only available with FlatFrog Board Business edition.

# Service Plus



## A commitment to quality

Sharp NEC Display Solutions has built a world-renowned reputation developing Display Solutions that offer the ultimate in quality, performance and longevity. We have become recognised for professional performance and our product philosophy has enabled Sharp/NEC to become a leading name in the Finance, Transportation, Colour, Corporate, Healthcare, Retail, Education and Cinema sectors.

Sharp/NEC Service Plus takes that philosophy further for the entire sales cycle from pre-sales through to the replacement phase. We take the guessing out of installing and managing a Display Solution inventory over a standard or extended lifecycle. Our customers can concentrate on their business activities, confident that their IT infrastructure is underwritten by the serviceplus promise.

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## The Service Plus Offering \*

- 5 years warranty extension
- Ad hoc warranty extension
- 24/7 for selected displays and projectors
- De-/Re-install service



\* These services can be purchased with the main unit



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