



Philips Brilliance  
4K Ultra HD LCD monitor

**P Line**

24 (23.8" / 60.5 cm diag.)  
4K UHD (3840 x 2160)

**Brilliance**

**241P6VPJKEB**



## Precise detail and clarity

with UltraClear 4K UHD resolution

See a new level of detail and clarity with the new Philips UltraClear 4K display! Ultra HD.

Four times clearer than Full HD, colors become richer, details become clearer.

Experience Ultra High Definition at an ultra-mainstream price.

### Sharpest most brilliant picture yet

- UltraClear 4K UHD (3840x2160) resolution for precision
- AH-IPS display for brilliant images with vivid colors
- 1.074 billion colors for smooth color gradations and detail
- 99% sRGB color standard for true-to-life color
- Less eye fatigue with Flicker-free technology

### Features that matter to you

- MultiView enables active dual connect and view at same time
- SmartErgoBase enables people-friendly ergonomic adjustments
- Webcam with mic to connect and collaborate
- HDMI for quick digital connection
- MHL technology for enjoying mobile content on big screen
- USB 3.0 Hub for convenient access and fast charging

### Sustainable Eco-design

- PowerSensor saves up to 80% energy costs

**PHILIPS**

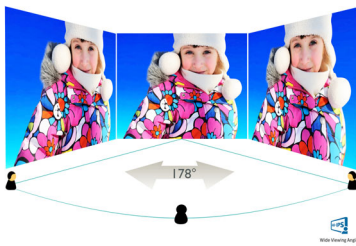
# Highlights

## UltraClear 4K UHD Resolution



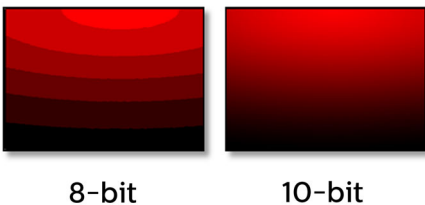
These latest Philips displays utilize high performance panels to deliver UltraClear, 4K UHD (3840 x 2160) resolution images. Whether you are demanding professional requiring extremely detailed images for CAD solutions, using 3D graphics applications or a financial wizard working on huge spreadsheets, Philips displays will make your images and graphics come alive.

## AH-IPS technology



This latest Philips display uses advanced AH-IPS panels resulting in superior color reproduction, response time and power consumption. Unlike standard TN panels, AH-IPS panels show consistent color even at 178 degrees wide angles and in pivot mode. With remarkable performance, AH-IPS is best suited for applications demanding color accuracy and consistent brightness at all times like photo retouching, graphics applications and web browsing.

## 10-bit colors



The 10-bit display delivers rich color depth with 1.074 billion colors and 12-bit internal

processing for re-creating smooth, natural colors without gradations and color banding.

## Full 99% sRGB Color



Experience vivid, and true-to-life colors. With over 99% coverage of sRGB color standard, you can have confidence the colors you see on the display are accurate and true-to-life.

## Flicker-free technology



Due to the way brightness is controlled on LED-backlit screens, some users experience flicker on their screen which causes eye fatigue. Philips Flicker-free Technology applies a new solution to regulate brightness and reduce flicker for more comfortable viewing.

## MultiView technology

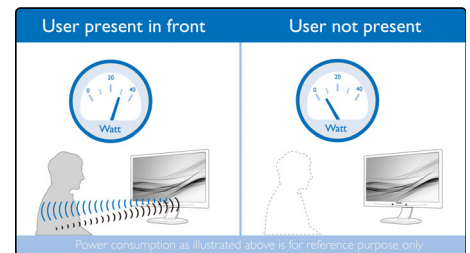
With the ultra high resolution Philips MultiView display you can now experience a world of connectivity in a comfortable way whether at office or at home. MultiView enables active dual connect and view so that you can work with multiple devices like PC and Notebook side-by-side simultaneously, making complex multi-tasking work a breeze. Watching live football feed from your set-top box on right side, while browsing the Internet from your notebook on the left is now easy. You may want to keep an eye on the live news feed with audio in the small window, while working on your latest blog.

## SmartErgoBase



The SmartErgoBase is a monitor base that delivers ergonomic display comfort and provides cable management. The base's people-friendly height, swivel, tilt and rotation angle adjustments position the monitor for maximum comfort that can ease the physical strains of a long workday; cable management reduces cable clutter and keeps the workspace neat and professional.

## PowerSensor



PowerSensor is a built-in 'people sensor' that transmits and receives harmless infrared signals to determine if user is present and automatically reduces monitor brightness when user steps away from the desk, cutting energy costs by up to 80 percent and prolonging monitor life

## Webcam

Embedded webcam and microphone enables you to view and communicate with your colleagues and clients. This simple solution allows you to collaborate and share, saving precious time and travel related costs.



# Specifications

## Picture/Display

- LCD panel type: AH-IPS LCD
- Backlight type: W-LED system
- Panel Size: 23.8 inch / 60.5 cm
- Effective viewing area: 527.04 (H) x 296.46 (V)
- Aspect ratio: 16:9
- Optimum resolution: 3840 x 2160 @ 60Hz
- Response time (typical): 5 ms (Gray to Gray)\*
- Brightness: 300 cd/m<sup>2</sup>
- Contrast ratio (typical): 1,000:1
- SmartContrast: 50,000,000 :1
- Pixel pitch: 0.137 x 0.137 mm
- Viewing angle: 178° (H) / 178° (V), @ C/R > 10
- Picture enhancement: SmartImage
- Display colors: 1.07G (8bits + FRC)
- Color gamut: 99% sRGB
- Scanning Frequency: 30 - 83 kHz (H) / 56 - 76 Hz (V)
- MHL: 1080P @ 60Hz
- Brightness uniformity: 93% - 105%
- Delta E: <3

## Connectivity

- Signal Input: VGA (Analog), DVI-Dual Link (digital, HDCP), DisplayPort, HDMI (2.0) - MHL (2.0) x 1
- USB: USB 3.0x3 (1 w/fast charging)\*
- Sync Input: Separate Sync, Sync on Green
- Audio (In/Out): PC audio-in, Headphone out

## Convenience

- Built-in Speakers: 2 W x 2
- Built-in webcam: 2.0 megapixel camera with microphone and LED indicator
- MultiView: PIP/PBP mode, 2x devices
- User convenience: SmartImage, Multiview, User, Menu, Power On/Off
- Control software: SmartControl Premium
- OSD Languages: Brazil Portuguese, Czech, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Swedish, Traditional Chinese, Turkish, Ukrainian
- Other convenience: Kensington lock, VESA mount (100x100mm)
- Plug & Play Compatibility: DDC/CI, Mac OS X, sRGB, Windows 8.1 / 8 / 7

## Stand

- Height adjustment: 130 mm
- Pivot: 90 degree
- Swivel: -175/+175 degree
- Tilt: -5/20 degree

## Power

- ECO mode: 20.6 W (typ.)
- On mode: 30.11 W (EnergyStar 6.0 test method)
- Standby mode: < 0.5 W (typ.)
- Off mode: < 0.5 W (typ.)
- Power LED indicator: Operation - White, Standby mode- White (blinking)
- Power supply: External, 100-240VAC, 50-60Hz

## Dimensions

- Product with stand (mm): 563 x 511 x 257 mm
- Product without stand (mm): 563 x 351 x 53 mm
- Packaging in mm (WxHxD): 619 x 525 x 184 mm

## Weight

- Product with stand (kg): 5.85 kg
- Product without stand (kg): 3.36 kg
- Product with packaging (kg): 9.63 kg

## Operating conditions

- Temperature range (operation): 0°C to 40°C °C
- Temperature range (storage): -20°C to 60°C °C
- Relative humidity: 20%-80 %
- Altitude: Operation: +12,000ft (3,658m), Non-operation: +40,000ft (12,192m)
- MTBF (demonstrated): 70,000 hrs (excluded backlight)

## Sustainability

- Environmental and energy: PowerSensor, LightSensor, EnergyStar 6.0, EPEAT Gold\*, TCO edge, RoHS
- Recyclable packaging material: 100 %
- Post consumer recycled plastic: 65%
- Specific Substances: PVC / BFR free housing, Mercury free, Lead free

## Compliance and standards

- Regulatory Approvals: CE Mark, FCC Class B, SEMKO, cETLus, CU-EAC, TCO certified, TUV Ergo, TUV/GS, EPA, PSB, WEEE, UKRAINIAN, CECP, PSE, KC, ICES-003, E-standby, J-MOSS, RCM, CCC

## Cabinet

- Front bezel: Black
- Rear cover: Black
- Foot: Black
- Finish: Texture



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12 NC: 8670 001 26481  
EAN: 69 51613 90818 1

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\* This Philips display is MHL certified. However, in case your MHL device does not connect or work correctly, check with your MHL device FAQ or vendor directly for direction. The policy of your device manufacturer may require you to purchase their brand specific MHL cable or adapter in order to work

\* Requires optional MHL certified mobile device and MHL cable. (not included) Please check with your MHL device vendor for compatibility.

\* Standby/Off energy saving of ErP is not applicable for the MHL charging functionality

\* For complete list of MHL-enabled products refer to [www.mhlconsortium.org](http://www.mhlconsortium.org)

\* EPEAT Gold is valid only where Philips registers the product. Please visit [www.epeat.net](http://www.epeat.net) for registration status in your country.

\* "AH-IPS" word mark / trademark and related patents on technologies belong to their respective owners.

\* Fast charging through BC 1.2 standard

\* Response time value equal to SmartResponse