

SHORT THROW PROJECTOR EH415ST



1080p SHORT THROW DATA PROJECTOR



Powerful 0.5:1 short throw lens delivers crisp images in a short distance



Full 1080p HD resolution with 2x HDMI 1.4a connectivity



Bright 3500 lumens image with 15,000:1 contrast ratio makes it ideal for large screen short throw applications



Full 3D compatibility for audience captivating immersive presentations



Economical to operate. Consumes <0.3W Power in Standby mode



The Optoma EH415ST high resolution, short throw projector is the perfect solution for every meeting room, classroom, or conference room.

Featuring optics capable of producing a 100" image in less than 5' of distance from the screen, 3500 lumens and 1080p high resolution images, the Optoma EH415ST delivers bright large-screen presentations with fantastic image clarity, outstanding color accuracy and incredibly sharp image detail.

The Optoma EH415ST provides the connectivity necessary for today's digital world. Includes two HDMI 1.4a ports, VGA-in for analog sources, RJ45 LAN control. Up to 7000 hours of lamp life and filter-free design minimize the cost of operation. Full 3D display compatibility, DICOM simulation and sRGB display modes. Closed captioning, logo capture, AMX, Extron and PJ Link compatibility for projector control, Crestron Roomview for remote monitoring, powerful 10-Watt speaker and more.

CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Set Top Boxes



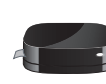
Camcorders



Game Consoles



Digital Cameras



Roku®



Apple TV®



Chromecast™

MULTIMEDIA PROJECTOR – EH415ST

OPTICAL/TECHNICAL SPECIFICATIONS

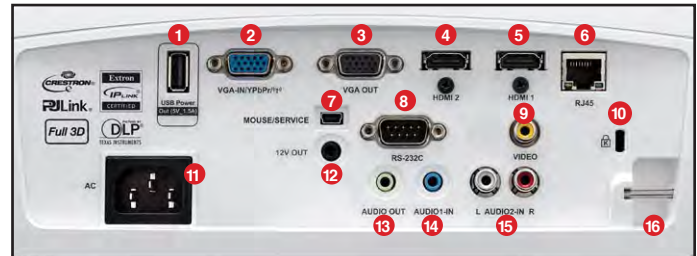
| | |
|------------------------------|---|
| Display Technology | Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™ |
| Native Resolution | HD 1080p (1920 x 1080) |
| Maximum Resolution | WUXGA (1920 x 1200) |
| Brightness (Typical) | 3500 lumens |
| Contrast Ratio | 15,000:1 (full on/full off) |
| Displayable Colors | 1.07 Billion |
| Lamp Life* and Type | 7000/4000/3000 Hours (ECO+/ECO/normal) |
| Projection Method | Front, rear, ceiling mount, table top |
| Keystone Correction | ±20° Vertical |
| Uniformity | >80% |
| Aspect Ratio | 16:9 native, 4:3 compatible |
| Throw Ratio | 0.5 (distance/width) |
| Projection Distance | 2.7'–5.54' (0.66–1.69 m) |
| Image Size (Diagonal) | 59.6" – 152.6" (1.51–3.87 m) |
| Projection Lens | F=2.87, f=7.28 mm and focus |
| Digital Zoom | 0.8 ~ 2.0 |
| Typical Offset | 115% ± 5% |
| Audio | 10-Watt speaker |
| Noise Level | 35dB min |
| Remote Control | IR remote mouse with laser |
| Operating Conditions | 41–104°F (5–40°C), 85% max humidity |
| Power Supply | AC Input 100–240V, 50–60Hz, auto-switching |
| Power Consumption | Max 310W (Normal), Min 230W (Eco+), <0.5W (standby-ECO) |

COMPATIBILITY SPECIFICATIONS

| | |
|-------------------------------------|---|
| Computer Compatibility | WUXGA, HD, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA |
| Video Compatibility | NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p) |
| 3D Compatibility[†] | Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details. |
| Vertical Scan Rate | 24–85Hz, 120Hz |
| Horizontal Scan Rate | 15.375–91.146KHz |
| User Controls | Complete on-screen menu adjustments in 27 languages |
| I/O Connection Ports | Two HDMI, VGA-in, VGA-out, composite video, stereo audio-in, RCA stereo audio-in, stereo audio-out, 12V trigger, RJ45, RS-232C, USB-A (power) & mini-USB-B |

PHYSICAL SPECIFICATIONS

| | |
|-------------------------------|---|
| Security | Kensington® lock port, security bar and keypad lock |
| Weight | 7.5 lb (3.4 kg) |
| Dimensions (W x H x D) | 11.26" x 4.88" x 10.43" (286 x 124 x 265 mm) |



- | | | |
|----------------|---------------------------|-------------------|
| 1. USB (power) | 7. USB mini-B | 13. Audio-out |
| 2. VGA1-in | 8. RS-232C | 14. Audio1-in |
| 3. VGA-out | 9. Composite video | 15. RCA Audio2-in |
| 4. HDMI 2 | 10. Kensington® lock port | 16. Security bar |
| 5. HDMI 1 | 11. Power | |
| 6. RJ45 | 12. 12V out | |



Warranty

3-Year Optoma Express Service, 1-Year on Lamp

What's In the Box

EH415ST projector, AC power cord, VGA to VGA cable, remote control, batteries for remote, carrying case, lens cap, CD-ROM user's manual, quick start card and warranty card

Optional Accessories

Wireless VGA dongle, universal ceiling mount, Optoma screens, DLP®Link™ 3D glasses, wireless HDMI system and Cat6 HDBaseT

Accessory Part Numbers

| | |
|--|-------------------------------------|
| Lamp: 5811118924-SOT | Wireless VGA dongle: BI-EXTBG03 |
| Remote: BR-3070L | DLP® Link™ 3D glasses: BG-ZD301 |
| Wireless HDMI system: WHD200 | Single-Cat6 HDBaseT kit: EVBMN-M110 |
| Universal ceiling mount: BM-5001U | Universal ceiling mount: OCM818W-RU |
| Universal ceiling mount (with extensional pole): OCM815W | |

UPC 796435 41 952 3

www.OptomaUSA.com 

*Lamp-life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

†3D content can be viewed with DLP Link active shutter glasses when projector is used with a compatible 3D player. Please visit www.OptomaUSA.com for more information.

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