SHORT THROW PROJECTOR
EH415ST

Optoma

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

PICTURE BY **DLP** TEXAS INSTRUMENTS | FEATURES **BrilliantColor** | THREE YEAR **3** OPTOMA EXPRESS | **Full 3D** 1080p | WIDESCREEN **16:9** ENHANCED | DEVICE **AMX** DISCOVERY | **CRESTRON** | **HDMI**™ HIGH DEFINITION MULTIMEDIA INTERFACE | **RoHS** COMPLIANT

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™

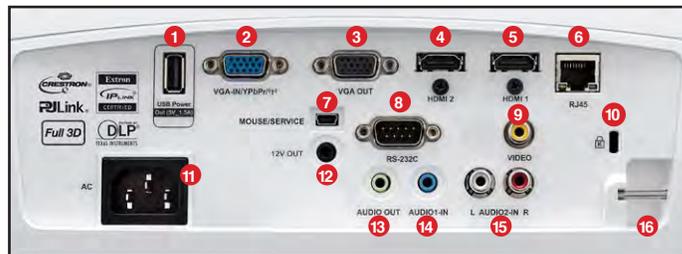# MULTIMEDIA PROJECTOR — EH415ST

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

10.43"
11.26"
4.88"

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
Remote: BR-3070L
Wireless HDMI system: WHD200
Wall mount: OWM3000ST
Ceiling mount (with extension pole): OCM815W

Wireless VGA dongle: BI-EXTBG03
DLP® Link™ 3D glasses: BG-ZD301
Single-Cat6 HDBaseT kit: EVBMN-M110

UPC 796435 41 952 3

Optoma.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.