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.

CONNECTIONS (May require optional accessories)
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)

13-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
DLP® Link™ 3D glasses: BG-ZD301
Remote: BR-3070L
Single-Cat6 HDBaseT kit: EVBMN-M110
Universal ceiling mount: BM-5001U
Universal ceiling mount (with extensional pole): OCM815W
Universal ceiling mount: OCM818W-RU

UPC
796435 41 952 3

www.OptomaUSA.com

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*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.