MULTIMEDIA PROJECTOR
EH503

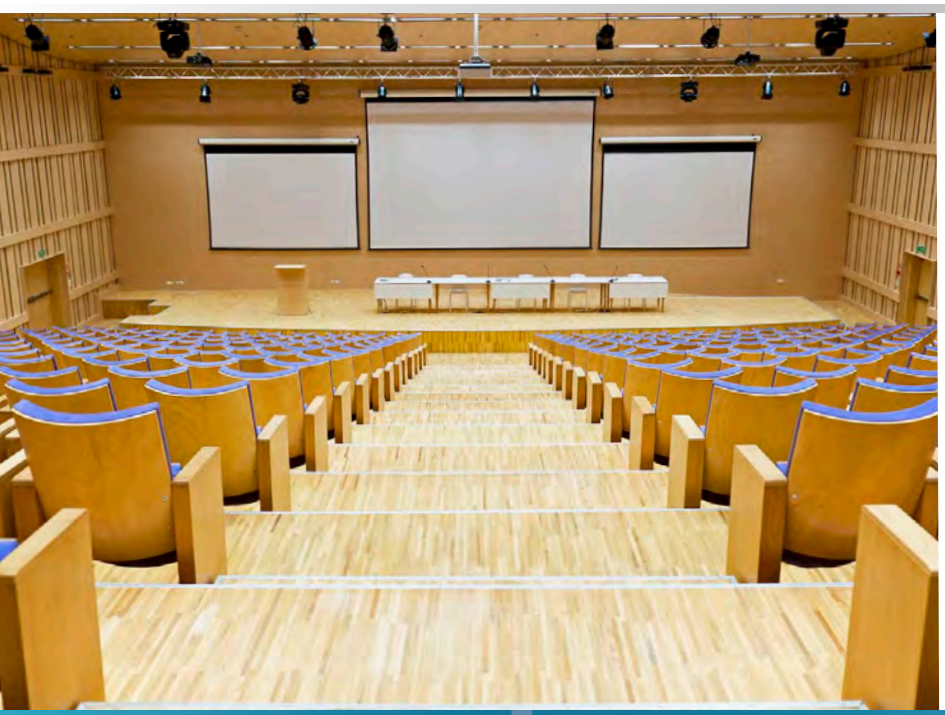
Optoma Projector Expert

BRIGHT 1080P HD LARGE VENUE PROFESSIONAL INSTALLATION

- **High resolution 1080p display ensures easy to read text and graphics**
- **Ideal solution for large screen 16:9 video displays**
- **3D at full 1080p resolution with optional RF 3D emitter and glasses**
- **Vertical and horizontal lens shift for maximum installation flexibility**
- **Interchangeable lens options**

PRO|SCENE

DLP Picture by Texas Instruments · BrilliantColor · Three Year Optoma Express · Full 3D 1080p · DVI HDCP Compliant · TRUE HD 1080p · HDMI High Definition Multimedia Interface · Widescreen 16:9 Enhanced · RoHS Compliant



The perfect solution for professional installation and integration in large board rooms, conference rooms, lecture halls, auditoriums, and houses of worship.

With Its powerful 5200 lumens output, remarkable 2000:1 contrast ratio and native 16:9 aspect ratio, the Optoma EH503 delivers bright large-screen presentations, movies, text and graphics with amazing image clarity and superb color reproduction.

Designed for ease of installation and integration, the Optoma EH503 provides vertical and horizontal lens shift, choice of 3 high-quality, high performance optional lenses, comprehensive connectivity including HDMI 1.4a, DisplayPort , DVI-D for digital sources, 3-axis color matching, brightness matching, wired remote, Crestron RoomView for remote monitoring and control, DICOM simulation mode and much more. Built to Optoma's highest quality standards, the Optoma EH503 will deliver peak performance for years to come.

LENS THROW OPTIONS

	Short Throw (Fixed)	Short Throw (Zoom)	Standard Throw	Long Throw	Ultra Long Throw
Optoma Part Number	BX-DL080	BX-DL100	BX-DL200	BX-DL300	BX-DL500
Throw Ratio (Distance/ Width)	0.77:1	1.1–1.3:1	1.54–1.93:1	1.93–2.89:1	3.0–5.0:1
Projection Distance	1.6'–9.8' (0.5–3m)	39.37"–354.3" (0.99–8.9 m)	4.9'–23.0' (1.5–7m)	6.6'–65.6' (2–20m)	118"–787.4" (2.9–19.9 m)
Image Size (Diagonal)	28.0"–171" (0.71–4.34m)	34.7"–369.5" (0.88–9.38 m)	34.2"–200" (0.87–5.08m)	30.6"–457" (0.78–11.6m)	27"–301" (0.68–7.64 m)
Projection Lens	F=2.5, f=11.5 mm, Manual Focus	F=2.05-2.27, f=16.64-19.54 mm, 1.18x Manual Zoom and Focus	F=2.46-2.56, f=22.8-28.5 mm, 1.25x Manual Zoom and Focus	F=2.5-3.1, f=28.5-42.75 mm, 1.5x Manual Zoom and Focus	F=2.2-2.5, f=44.5-74.19 mm, 1.67x Manual Zoom and Focus
Weight w/ Projector	19.1 lb (8.6 kg)	20.6 lbs (9.3 kg)	18.9 lb (8.6 kg)	18.9 lb (8.6 kg)	20.1 lb (9.1 kg)

MULTIMEDIA PROJECTOR — EH503

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Single 0.65" DarkChip3™ DLP® Technology by Texas Instruments™
Native Resolution	Full HD (1920 x 1080)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness (Typical)	5200 lumens
Contrast Ratio	2,000:1 (full on/full off)
Displayable Colors	1.07 Billion
Lamp Life* and Type	3500/1500 Hours (STD/bright), 370W P-VIP
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±15° Vertical
Uniformity	85%
Aspect Ratio	16:9 Native, 4:3 compatible
Lens Shift (Telecentric)	Horizontal: ±10% offset Vertical: -30~110% offset
Audio	Two 3-Watt speakers
Noise Level (STD)	37dB
Remote Control	Fully-featured IR remote with the option to hardwire to the projector
Operating Conditions	41–113°F (5–45°C), 85% max humidity, adjustable fan speed for high altitude application
Power Supply	AC Input 100–240V, 50–60Hz, auto-switching
Power Consumption	480W max (bright), 330W (STD), <0.5W (standby)

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	WUXGA, UXGA, SXGA+, WXGA, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i/576i), EDTV (480p/576p, 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	24–85kHz, 120Hz
Horizontal Scan Rate	15–91kHz
User Controls	Complete on-screen menu adjustments in 26 languages
I/O Connection Ports	Display port, HDMI, DVI-D w/ HDCP, two VGA-in, VGA-out, S-video, composite video, component video, five BNC (RGBHV/YPbPr), two stereo mini jack audio-in, two RCA stereo audio-in, audio-out, 3D VESA port, wired remote, USB-A charging port, RS-232C, RJ45, and 12V trigger
Monitor Loop Through	*Monitor:* D-Sub 15 pin VGA output (functional in both normal and standby modes *Audio:* VAO audio out, HDMI VAO audio out supported (VAO in normal mode, fixed in Standby)

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, security bar & keypad lock
Weight	18.6 lb (8.4 kg) w/o lens
Dimensions (W x H x D)	16.9" x 7.1" x 13.4" (430 x 181 x 340 mm)

1. Power LED Indicator
2. HDMI
3. DVI-D
4. Display Port
5. RJ45
6. 3D SYNC Out (5V)
7. USB Charging Port
8. VGA-In
9. Audio-In (VGA-1)
10. VGA 2-In
11. Audio-In (VGA-2)
12. VGA-Out
13. Audio-Out
14. BNC (RGBHV/YPbPr)
15. Component
16. RCA Audio-In
17. RS-232C
18. S-Video
19. Composite Video
20. RCA Audio-In
21. Wired Remote
22. 12V Trigger
23. Power

Warranty

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

In the Box

EH503 projector, AC power cord, VGA to VGA cable, remote control, batteries for remote, CD-ROM user's manual, quick start card and warranty card (lens is not included)

Optional Accessories

Three optional lenses, wireless dongle, universal ceiling mount, HDMI cable, Optoma screen, RF 3D glasses, RF 3D emitter, DLP® Link™ 3D glasses, wireless HDMI system and single Cat6 HDBaseT kit

Accessory Part Numbers

Lamp: BL-FP370A
Remote: BR-3070L
RF 3D emitter: BC300
Wireless HDMI system: WHD200
Universal ceiling mount: BM-5001U
Wireless VGA Dongle: BI-EXTBG03
DLP® Link™ 3D glasses: ZD302
RF 3D glasses: ZF2300GLASSES
Single-Cat6 HDBaseT kit: EVBMN-M110
Universal ceiling mount: OCM818W-RU
Universal ceiling mount (with extensional pole): OCM815W

UPC 796435 41 889 2

*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 either RF or DLP Link active shutter glasses when projector is used with a compatible 3D player. *RF 3D glasses* require the use of an *RF 3D emitter* and a projector with a 3D VESA Sync port. Please visit www.OptomaUSA.com for more information.

www.OptomaUSA.com

Optoma Projector Expert

Copyright © 2014 Optoma Technology, Inc. DLP® and the DLP logo are registered trademarks of Texas Instruments™. All other trademarks are the property of their respective owners. All specifications subject to change at any time. 141007