MULTIMEDIA PROJECTOR
EH505-B

Optoma
Projector Expert

BRILLIANT PRESENTATIONS WITH MAXIMUM INSTALLATION FLEXIBILITY

- **Bright crystal clear images for large venue applications**
- **Unsurpassed color accuracy for the most impactful presentations**
- **Vertical and horizontal lens shift for ease of installation**
- **Optional lenses for maximum installation flexibility**

PRO|SCENE

PICTURE BY **DLP** TEXAS INSTRUMENTS | FEATURES **BrilliantColor** DLP | THREE YEAR **3** OPTOMA EXPRESS | **Full 3D** | **DVI** HDCP COMPLIANT | HIGH DEFINITION TELEVISION **HDTV** MONITOR | **HDMI** HIGH DEFINITION MULTIMEDIA INTERFACE | WIDESCREEN **16:10** ENHANCED | **RoHS** COMPLIANT

The Optoma EH505-B was designed to deliver extraordinary performance and superior reliability to satisfy your large venue projector install needs. Its powerful 5000 lumens bright output combined with a remarkable 2,000:1 contrast ratio deliver amazingly bright, color-rich presentations with sharp, clear text and graphics. The Optoma EH505-B features one the most comprehensive input panels and most advanced feature set its class to ensure the projector will satisfy your current and future needs. HDMI, display port and DVI for digital connectivity, 2 VGA inputs and one VGA out for analog content, vertical and horizontal lens shift, discrete audio inputs, 12 volt trigger for maximum installation convenience. Just a few of the many outstanding features on this remarkable product.

LENS THROW OPTIONS

	Short Throw	Standard Throw	Long Throw
Optoma Part Number	BX-DL080	BX-DL200	BX-DL300
Throw Ratio (Distance/Width)	0.77:1	1.54−1.93:1	1.93−2.89:1
Projection Distance	1.6'−9.8' (0.5−3m)	4.9'−23.0' (1.5−7m)	6.6'−65.6' (2−20m)
Image Size (Diagonal)	28.0"−171" (0.71−4.34m)	34.2"−200" (0.87−5.08m)	30.6"−457" (0.78−11.6m)
Projection Lens	F=2.5, f=11.5 mm, Manual 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
Weight w/ Projector	19.1 lb (8.6 kg)	18.9 lb (8.6 kg)	18.9 lb (8.6 kg)

MULTIMEDIA PROJECTOR — EH505-B
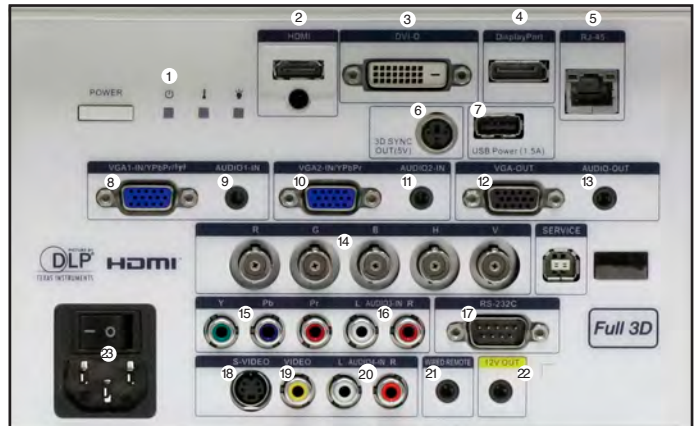
OPTICAL/TECHNICAL SPECIFICATIONS

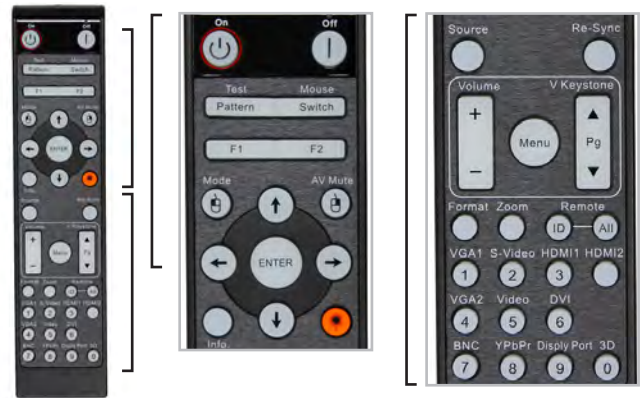|	
Display Technology	Single 0.65" DarkChip3™ DLP® Technology by Texas Instruments™
Native Resolution	WUXGA (1920 x 1200)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness (Typical)	5000 lumens
Contrast Ratio	2,000:1 (full on/full off)
Displayable Colors	1.07 Billion
Lamp Life* and Type	3500/1500 Hours (STD/bright), 370W P-VIP
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±15° Vertical
Uniformity	85%
Aspect Ratio	16:10 Native, 4:3 and 16:9 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 D x H)	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

EH505-B 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
Universal ceiling mount (with extensional pole): OCM815W

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

UPC 796435 41 943 1

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 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.