

# MULTIMEDIA PROJECTOR EH505e



## 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 with 360-degree operation**



**Optional lenses for maximum installation flexibility**

**PRO|SCENE**



The Optoma ProScene EH505e was designed to deliver extraordinary performance and superior reliability to satisfy your large venue projector install needs. Its powerful 5,000 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 EH505e features one of the most comprehensive input panels and most advanced feature set in its class to ensure the projector will satisfy your current and future needs: HDMI, display port and DVI for digital connectivity, two VGA inputs and one VGA out for analog content, vertical and horizontal lens shift, discrete audio inputs, 12 volt trigger for maximum installation convenience.

### LENS THROW OPTIONS

|                                     | Short Throw (Fixed)            | Short Throw (Zoom)   | Standard Throw   | Long Throw   | Ultra Long Throw  |
|-------------------------------------|--------------------------------|--|--|--|---|
| <b>Optoma Part Number</b>           | BX-DL080                       | BX-DL100   | BX-DL200   | BX-DL300   | BX-DL500  |
| <b>Throw Ratio (Distance/Width)</b> | 0.77:1                         | 1.1–1.3:1  | 1.54–1.93:1  | 1.93–2.89:1  | 3.0–5.0:1   |
| <b>Projection Distance</b>          | 1.6'–9.8' (0.5–3 m)            | 39.37"–354.3" (0.99–8.9 m)                                 | 4.9'–23.0' (1.5–7 m)                                     | 6.6'–65.6' (2–20 m)                                    | 118"–787.4" (2.9–19.9 m)                                |
| <b>Image Size (Diagonal)</b>        | 28.0"–171" (0.71–4.34 m)       | 34"–361.7" (0.86–9.18 m)                                   | 34.2"–200" (0.87–5.08 m)                                 | 30.6"–457" (0.78–11.6 m)                               | 26.5"–294.7" (0.67–7.48 m)                              |
| <b>Projection Lens</b>              | 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 |
| <b>Weight w/ Projector</b>          | 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 — EH505e

### OPTICAL/TECHNICAL SPECIFICATIONS

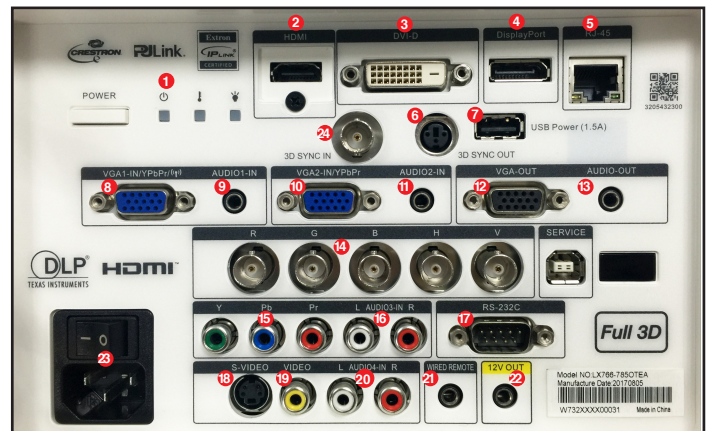
|                                 |   |
|---------------------------------|---|
| <b>Display Technology</b>       | Single 0.65" DarkChip3™ DLP® Technology by Texas Instruments™                           |
| <b>Native Resolution</b>        | WUXGA (1920 x 1200)   |
| <b>Maximum Resolution</b>       | WUXGA (1920 x 1200)   |
| <b>Brightness (Typical)</b>     | 5,000 lumens  |
| <b>Contrast Ratio</b>           | 2,000:1 (full on/full off)  |
| <b>Displayable Colors</b>       | 1.07 Billion  |
| <b>Lamp Life* and Type</b>      | 4,000 Eco / 3,000 Bright; Lamp type 365W  |
| <b>Projection Method</b>        | Front, rear, ceiling mount, table top   |
| <b>Keystone Correction</b>      | ±15° Vertical   |
| <b>Uniformity</b>               | 85%   |
| <b>Aspect Ratio</b>             | 16:10 Native, 4:3 and 16:9 compatible   |
| <b>Lens Shift (Telecentric)</b> | Horizontal: ±10% offset<br>Vertical: -30~110% offset                                    |
| <b>Noise Level (STD)</b>        | 34dB  |
| <b>Remote Control</b>           | Fully-featured IR remote with the option to hardwire to the projector                   |
| <b>Operating Conditions</b>     | 41–113°F (5–45°C), 85% max humidity, adjustable fan speed for high altitude application |
| <b>Power Supply</b>             | AC Input 100–240V, 50–60Hz, auto-switching  |
| <b>Power Consumption</b>        | 480W max (bright), 330W (STD), <0.5W (standby)  |

### COMPATIBILITY SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>Computer Compatibility</b> | WUXGA, UXGA, SXGA+, WXGA, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible   |
| <b>Video Compatibility</b>    | NTSC, PAL, SECAM, SDTV (480i/576i), EDTV (480p/576p, HDTV (720p, 1080i/p)   |
| <b>3D Compatibility†</b>      | 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.             |
| <b>Vertical Scan Rate</b>     | 24–85kHz, 120Hz   |
| <b>Horizontal Scan Rate</b>   | 15–91kHz  |
| <b>User Controls</b>          | Complete on-screen menu adjustments in 26 languages   |
| <b>I/O Connection Ports</b>   | 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 |
| <b>Monitor Loop Through</b>   | <i>Monitor:</i> D-Sub 15 pin VGA output (functional in both normal and standby modes)<br><i>Audio:</i> VAO audio out, HDMI VAO audio out supported (VAO in normal mode, fixed in Standby)   |

### PHYSICAL SPECIFICATIONS

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



- |                        |                       |                     |
|------------------------|-----------------------|---------------------|
| 1. Power LED Indicator | 9. Audio-In (VGA-1)   | 17. RS-232C         |
| 2. HDMI                | 10. VGA 2-In          | 18. S-Video         |
| 3. DVI-D               | 11. Audio-In (VGA-2)  | 19. Composite Video |
| 4. Display Port        | 12. VGA-Out           | 20. RCA Audio-In    |
| 5. RJ45                | 13. Audio-Out         | 21. Wired Remote    |
| 6. 3D SYNC Out (5V)    | 14. BNC (RGBHV/YPbPr) | 22. 12V Trigger     |
| 7. USB Charging Port   | 15. Component         | 23. Power           |
| 8. VGA-In              | 16. RCA Audio-In      | 24. 3DSync IN       |



#### Warranty

3-Year parts and labor limited warranty on the projector, 1-year lamp warranty or 1000 hours (whichever comes first)

#### In the Box

EH505e 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-FU365B  | DLP® Link™ 3D glasses: ZD302        |
| Remote: BR-3070L   | RF 3D glasses: ZF2300GLASSES        |
| RF 3D emitter: BC300                                     |                                     |
| 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 44 195 1

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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 port. Please visit www.OptomaUSA.com for more information.