

# Professional Installation 1080p Projector

## EH512

### Bright projection with installation flexibility and control



- Bright 1080p projection featuring 5,000 lumens and 15,000:1 contrast ratio
- PC-free USB image viewer and office document reader
- Wireless presentations and images with HDCast Pro (USB Wi-Fi adapter included)
- USB display screen mirroring with iOS and Android devices
- LAN display via Ethernet with Windows and Mac OS X
- Vertical lens shift, keystone correction and full RS-232C control



1080P



Experience brilliant 1080p projection with the 5,000 lumen Optoma EH512. Its 15,000:1 contrast ratio, 1.6x zoom, vertical lens shift, keystone correction and full RS-232C control provide installation flexibility ideal for large classrooms, lecture halls, museums and houses of worship.

A PC-free image viewer and document reader display office documents, PDFs and images from USB storage devices. HDCast Pro connectivity provides wireless screen mirroring with Android, Mac OS and Windows devices.

LAN display supports up to 4 simultaneous computers while USB display mirrors Android and iOS devices. Robust input options include HDMI, VGA and analog for easy connectivity to current and legacy video sources.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

## Professional Installation 1080p Projector - EH512

### OPTICAL/TECHNICAL SPECIFICATIONS

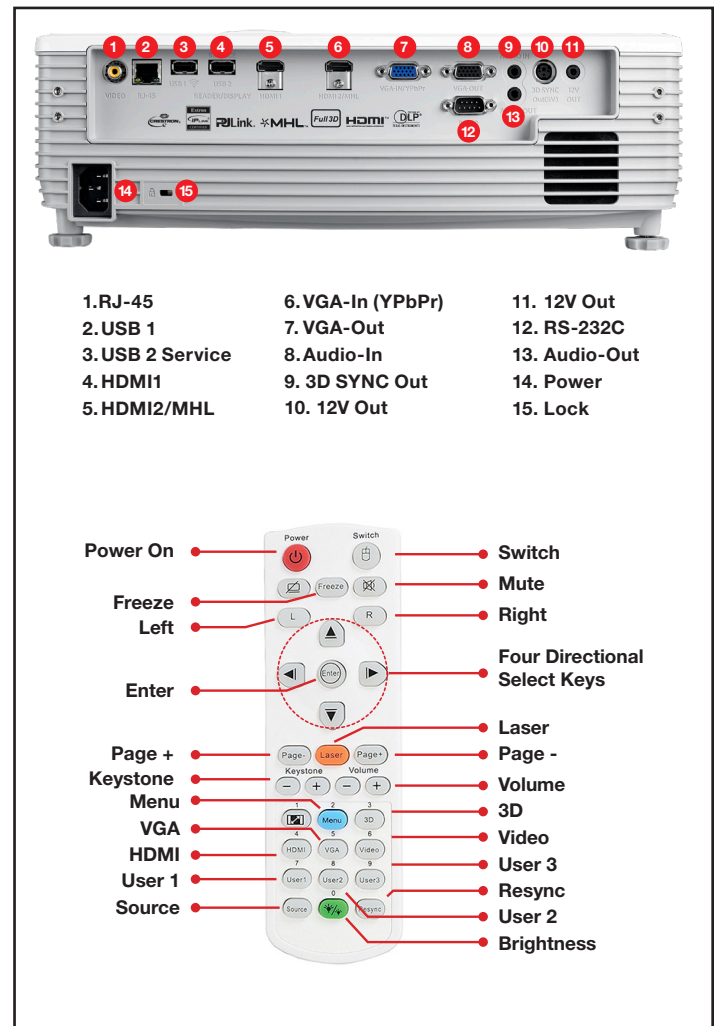
<b>Display Technology</b>	Texas Instruments 0.65" 1080p DMD
<b>Color Wheel</b>	6 segment RYGCWB
<b>Native Resolution</b>	1080p (1920 x 1080)
<b>Maximum Resolution</b>	WUXGA (1920 x 1200)
<b>Brightness</b>	5,000 ANSI lumens
<b>Contrast Ratio</b>	15,000:1
<b>Displayable Colors</b>	1.07 billion
<b>Lamp Life*</b>	7,000/6,000/5,000/3,000 (Eco+/Dynamic/ECO/Bright)
<b>Light Source Type*</b>	Lamp (330W)
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±20° vertical & horizontal
<b>Geometry</b>	Four corner adjustment
<b>Lens Shift</b>	Vertical lens shift 16%
<b>Uniformity</b>	70%
<b>Offset</b>	100%
<b>Aspect Ratio</b>	16:9 (native), 16:10, 4:3, LBX and auto compatible
<b>Throw Ratio</b>	1.41 - 2.24
<b>Projection Distance</b>	4.2' - 49.1' (without zoom)
<b>Image Size</b>	26.2" - 301.1"
<b>Projection Lens</b>	F=2.5-3.25; F=20.91-32.62mm
<b>Optical Zoom</b>	1.6x
<b>Digital Zoom</b>	0.8-2.0x
<b>Audio</b>	2 x 10W (stereo)
<b>Noise Level</b>	30 dB (Eco)
<b>Remote Control</b>	Full size remote with laser
<b>360° and Portrait Mode Operation</b>	No
<b>Operating Temperature</b>	41-104°F (5-40°C), 85% max humidity
<b>Power Supply</b>	AC input 100-240V, 50-60Hz, auto-switching
<b>Power Consumption</b>	405W typical (Bright), 445W max (Bright), 315W typical (Eco), 347W max (Eco)
<b>High Altitude</b>	Operating temperature at sea level up to 10,000 feet = 104° F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality

### COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA
<b>Video Input Compatibility</b>	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p
<b>3D Compatibility<sup>†</sup></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- 85 Hz (120Hz for 3D feature projector)
<b>Horizontal Scan Rate</b>	15.375-91.146 KHz
<b>User Controls</b>	RS-232, RJ45
<b>Inputs</b>	2 x HDMI, 1 x VGA, 1 x composite, 1 x S-Video, 1 x audio (3.5mm)
<b>Outputs</b>	1 x VGA, 1 x USB (Wi-Fi adapter), 1 x USB (USB display, service), audio out (3.5mm)
<b>Control</b>	RS232C, wired remote in, 3D Sync out, RJ45, 12V trigger
<b>Loop Through (Audio)</b>	NA

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® Lock Port
<b>Weight</b>	10.2 lbs (4.6 kg)
<b>Dimensions (W x H x D)</b>	14.17" x 11.61" x 5.34"



- |                  |                   |               |
|------------------|-------------------|---------------|
| 1. RJ-45         | 6. VGA-In (YPbPr) | 11. 12V Out   |
| 2. USB 1         | 7. VGA-Out        | 12. RS-232C   |
| 3. USB 2 Service | 8. Audio-In       | 13. Audio-Out |
| 4. HDMI1         | 9. 3D SYNC Out    | 14. Power     |
| 5. HDMI2/MHL     | 10. 12V Out       | 15. Lock      |

- |          |                              |
|----------|------------------------------|
| Power On | Switch                       |
| Freeze   | Mute                         |
| Left     | Right                        |
| Enter    | Four Directional Select Keys |
| Page +   | Laser                        |
| Keystone | Page -                       |
| Menu     | Volume                       |
| VGA      | 3D                           |
| HDMI     | Video                        |
| User 1   | User 3                       |
| Source   | Resync                       |
|          | User 2                       |
|          | Brightness                   |

#### Warranty

3-year Optoma Express advance exchange warranty, 1-year on lamp

#### What's in the Box

AC power cable, remote control, batteries, USB Wi-Fi adapter, quick start guide, CD user manual

#### Optional Accessories

Lamp, ceiling mount, remote and Wi-Fi adapter

#### Accessory Part Numbers

Lamp: BL-FU330B  
Mount: BM-5001U  
Remote: BR-5080C  
Wi-Fi adapter: WUSB

UPC 796435 44 240 8

Optoma.com 

\*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time

Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.

Copyright © 2018 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. 08272018