

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 (optional USB Wi-Fi adapter required)
- 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. Optional QuickCast Pro 4K Kit provides wireless screen mirroring with Android, iOS, 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

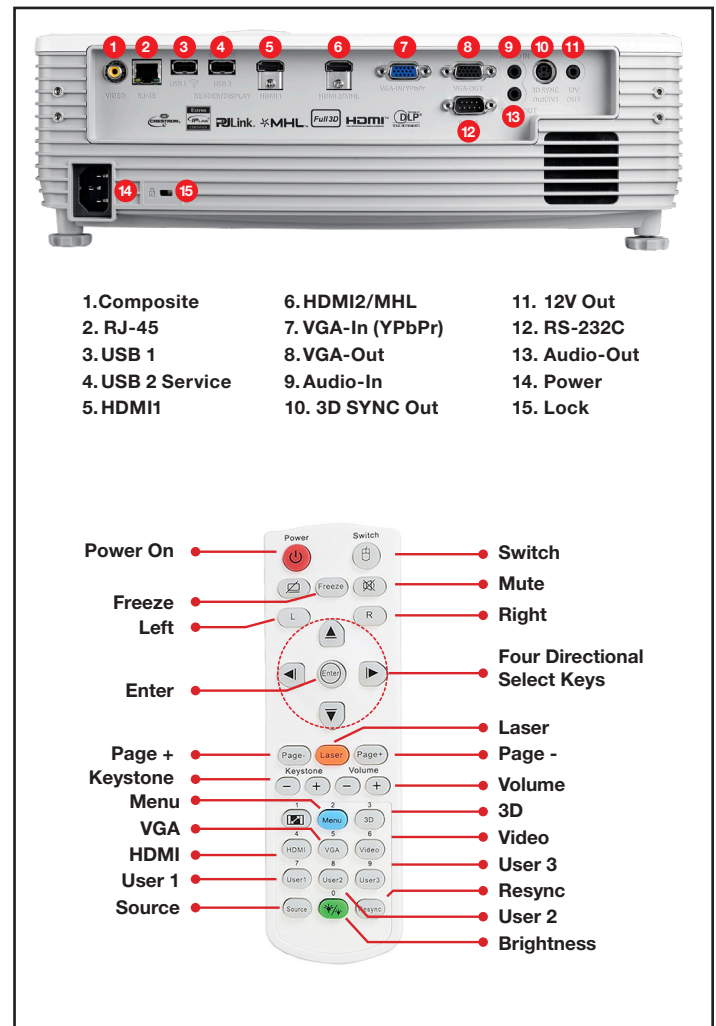
Display Technology	Texas Instruments 0.65" 1080p DMD
Color Wheel	6 segment RYGCWB
Native Resolution	1080p (1920 x 1080)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	5,000 ANSI lumens
Contrast Ratio	15,000:1
Displayable Colors	1.07 billion
Lamp Life*	7,000/6,000/5,000/3,000 (Eco+/Dynamic/ECO/Bright)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

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

PHYSICAL SPECIFICATIONS

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



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

2 Year parts and labor limited warranty on the projector, 90 days lamp warranty

What's in the Box

EH512, AC power cable, remote control, batteries, quick start user manual

Accessories

Lamp (replacement): BL-FU330B
 Remote (replacement): BR-5080C
 Mount: BM-5001U
 Wi-Fi adapter (required for HD-Cast Pro functions): WUSB
 QuickCast Pro 4K HDMI starter kit: QCP-SK-4K-HDMI (1 TX and 1 RX)
 QuickCast Pro 4K HDMI starter kit: QCP-4K-KIT (2 TX, 1 RX, 1 Cradle)

UPC 796435 44 240 8

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*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.

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