

# BRIGHT 1080p PROJECTION EH331



## EXCEPTIONAL IMAGERY FOR BUSINESS AND EDUCATION



3300 lumens deliver bright and colorful images that are perfect for small business and education



22,000:1 contrast ratio enabling deep blacks and strong image detail



sRGB display profile dazzles with REC.709 color accuracy



Low cost of ownership with 10,000-hour lamp life



Compensate for loss of brightness with Wall Color Adjustment



Strong connectivity - dual HDMI, VGA-In, dual Audio-In, and much more



The Optoma EH331 projector delivers an amazing 3300 lumens along with a class-leading 22,000:1 contrast ratio for bright readable presentations and colorful videos with rich, vivid colors and astonishing detail.

The EH331 is well equipped with HDMI and VGA ports, 10,000-hour lamp life, and BrilliantColor which allows fine tuning of color, contrast, and detail. sRGB color profile enables rich accurate color, based on the primaries of Rec.709 producing images aligned with HDTV specification when used with a PC, Mac, or any sRGB-compatible source.

Wall Color Adjustment is designed to compensate for the loss of brightness when projecting on non-white projection surfaces in various environments. This feature is extremely useful in classrooms, conference rooms, training rooms or anywhere the presenter may be using a colored wall, blackboard, chalkboard, or whiteboard for the projection surface.

And the EH331's small form factor is robust and flexible, meeting the portability needs of today professionals from road warriors to guest lecturers to educators hoping to turn their classroom into an interactive learning presentations for their students.

## CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV\*



Chromecast™

## BRIGHT 1080p PROJECTION – EH331

### OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution	1920x1080 FullHD 1080p
Maximum Video Resolution	1920x1200 WUXGA
Brightness	3300 lumens
Contrast Ratio	22000:1
Displayable Colors	1.07 Billion
Lamp Life and Type*	5000/6000/7000/8000/10000 lamp hours (Bright/ECO/Dynamic/ECO+/ECU)
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° Vertical
Uniformity	70%
Offset	116%±5%
Aspect Ratio	16:9 (native), 4:3, LBX, Auto
Throw Ratio	1.48 - 1.62:1
Projection Distance	3.28'-32.8' (1.0-10 m)
Image Size	27.88" - 305.3"
Projection Lens	F=2.5~ 2.6, f=21.88 ~ 24 mm manual focus
Optical Zoom	1.1x
Digital Zoom	0.8 - 2.0
Audio	2W Speaker
Noise Level	29dB
Remote Control	Full Size - Full Function Remote
Operating Room Temperature	41-104°F (5-40°C), 85% max humidity
Power Supply	AC input 100-240V, 50-60Hz, auto-switching
Power Consumption	230W Typical (Bright mode), 253W Max (Bright mode), 190W Typical (Eco+ mode), 209W Max (Eco+ mode)
High Altitude	Operating Temp @ Sea Level to 10000 feet = 23C (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD)

### COMPATIBILITY SPECIFICATIONS

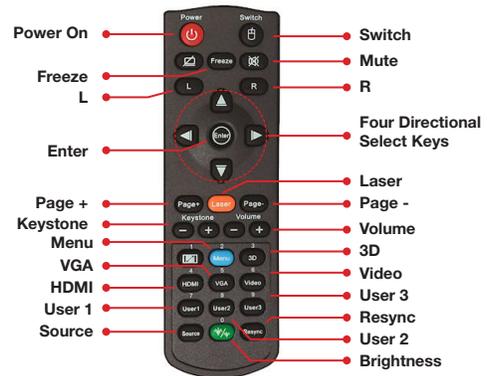
Computer Compatibility	WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
3D Compatibility <sup>1</sup>	Supports all HDMI 1.4a mandatory 3D format, side-by-side format and top and bottom format. 3D glasses are needed and sold separately.
Vertical Scan Rate	24-85 Hz, 120 Hz, 144 Hz
Horizontal Scan Rate	15.375-91.146 KHz
User Controls	Complete on-screen menu adjustment in 26 languages
I/O Connection Ports	HDMI, VGA-In, Composite Video In, Audio-In, Audio-Out, USB Type A (Power), RS-232C
Loop Through (Audio)	Yes

### PHYSICAL SPECIFICATIONS

Security	Kensington® lock, security bar and keypad lock
Weight	6.83 lbs.
Dimensions (W x H x D)	W 11.73" x L 9.05" x H 3.79"



- 1. HDMI
- 2. USB
- 3. VGA-in/YPbPr
- 4. VGA-out/YPbPr
- 5. RS-232C
- 6. Video
- 7. Audio In
- 8. Audio Out
- 9. Power



#### Warranty

1 Year Limited Warranty / 90 Days Lamp

#### In the Box (Standard Accessories)

EH331 projector, AC power cord, VGA to VGA cable, remote control, carrying case, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card

#### Optional Accessories

Universal ceiling mount, Optoma screen, wireless HDMI system, HDCast Pro, Cat6 HDBaseT kit, DLP® Link™ 3D Glasses and VGA dongle

#### Accessory Part Numbers

Lamp: BL-FU195A  
 Universal ceiling mount: OCM818W-RU  
 Universal ceiling mount: BM-5001U  
 3D Glasses: ZD302  
 Single-Cat6 HDBaseT kit: EVBMN-M110  
 Carrying case: SP.8VH03GC01  
 HDCast Pro Wireless Mirroring: HDCast Pro-Black

Remote: BR5053C and BR3079N  
 Universal ceiling mount: OCM815W  
 DLP® Link™  
 VGA wireless dongle: BI-EXTBG03  
 Wireless HDMI system: WHD200

UPC 796435 44 011 4

<sup>1</sup>Lamp life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.  
<sup>2</sup>3D content can be viewed with DLP® Link active shutter glasses when projector is used with a compatible 3D player. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information.

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