

BRIGHT & CLEAR 1080p PROJECTOR FOR BOARDROOM AND CLASSROOM EH345



ROBUST PROJECTION FOR CORPORATE AND EDUCATION



- 3200 lumens and 22,000:1 contrast ratio produce a sharp luminous image
- Advanced Optical Lens features a 1.3x ZOOM
- Extensive array of connectivity options featuring dual HDMI with MHL, VGA-out, and Audio-in
- Powerful 10 Watt sound enhances presentations and audio/video with crisp and clear sound
- Optional VGA Wireless Dongle or HDCast Pro allow for Wireless Mirroring and Streaming
- sRGB color profile enables vibrant and highly accurate colors via Rec709 HDTV spec



The Optoma EH345 is a powerful projector that delivers an excellent balance of affordability and performance with 3200 lumens, 22,000:1 contrast ratio, sharp, readable text, and smooth, colorful visuals. It is well-equipped for today's corporate and education environments with 2x HDMI 1.4a ports, VGA-Out, 10,000-hour lamp life, 1.3x zoom for flexible installations, and a powerful 10-watt speaker that enhances presentations and multimedia content with loud, sharp, and clear audio.

The EH345 is engineered for corporate professionals and educators looking to project Powerpoint presentations, spreadsheets and other rich media content in high resolution 1080p. With a shorter throw ratio than most standard throw projectors, the EH345 is ideal for small conference rooms and classrooms with limited space to install a projector. MHL v2.1 support enables the use of video display dongles and adapters from various manufacturers, allowing presenters to create an inviting and collaborative presentation environment.

The EH345's impressive lamp life enables 10,000 hours of use before a replacement is necessary. Its Wall Color Adjustment feature 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, ensuring that images are as clear and bright as possible.

CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV*



Chromecast™

BRIGHT 1080p PROJECTION – EH345

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	3200 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+/EDU)
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	1.13 - 1.47:1
Projection Distance	4.26' - 24.60'
Image Size	39.92" - 299.81"
Projection Lens	F=2.5~ 2.78, f=16.91 ~ 21.60 mm manual focus
Optical Zoom	1.3x
Digital Zoom	0.8 - 2.0
Audio	10W 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	238W Typical (Bright mode), 262.8W Max (Bright mode), 196.9W Typical (Eco+ mode), 216.6W 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

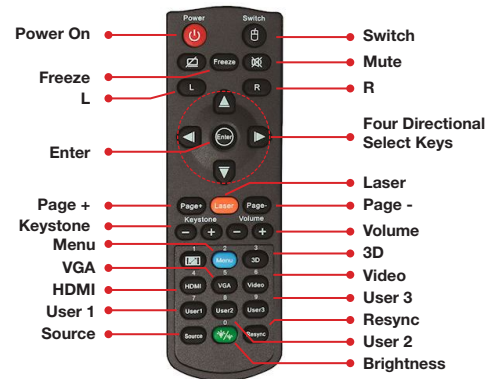
Computer Compatibility	WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible
Video Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
3D Compatibility ¹	Supports all HDMI 1.4a mandatory 3D format, side-by-side format and top and bottom 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	2xHDMI (with MHL), VGA-In, Composite Video In, VGA-Out, Audio-Out, Audio-In, USB-A (Power), RS232C
Loop Through (Audio)	Yes

PHYSICAL SPECIFICATIONS

Security	Kensington® lock, security bar and keypad lock
Weight	6.76 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
- 4. VGA-out
- 5. RS-232C
- 6. Video
- 7. Audio In
- 8. Audio Out
- 9. Power



Warranty

3 Year Limited Warranty / 90 Days Lamp

In the Box (Standard Accessories)

EH345 Projector, AC Power Cord, VGA Cable, Remote Control, Batteries for Remote, Lens Cap, Carrying Case, Multilingual CD-ROM User's Manual, Quick Start Guide, 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-FU195B
 Universal ceiling mount: OCM818W-RU
 Universal ceiling mount: BM-5001U
 VGA wireless dongle: BI-EXTBG03
 Single-Cat6 HDBaseT kit: EVBMN-M110
 Carrying case: SP.8VH03GC01
 HDCast Pro Wireless Mirroring: HDCast Pro-Black

Remote: BR-5053C and BR-3079N
 Universal ceiling mount: OCM815W
 DLP® Link™ 3D Glasses: ZD302
 Wireless HDMI system: WHD200

UPC 796435 44 042 8

¹Lamp life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

²3D content can be viewed with DLP® Link active shutter glasses when projector is used with a compatible 3D player. Please visit www.OptomaUSA.com for more information.



205 Westwood Ave, Long Branch, NJ 07740
 Phone: 866-94 BOARDS (26273) / (732)-222-1511
 Fax: (732)-222-7088 | E-mail: sales@touchboards.com

www.OptomaUSA.com



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