

1080P UST PROJECTOR EH319UST



1080P ULTRA SHORT THROW PROJECTOR FOR BUSINESS AND EDUCATION



-  **1080p 3500 lumen ultra short throw projector with 18000:1 contrast ratio**
-  **Large, clear and shadow-free 100" image from less than 2' away - ideal for installations with limited space**
-  **Satisfying total cost of ownership with 6500 hour lamp life**
-  **Extensive connectivity, robust network control and powerful 16-Watt speaker**



The Optoma EH319UST is a full HD 1080p ultra short throw projector. EH319UST is Optoma's feature-packed next generation ultra short throw projector for business and education users who demand bright 1080p projection, vivid colors, and extensive connectivity.

The EH319UST sports an impressive ultra bright 3500 lumens, 18000:1 contrast ratio, powerful 16-Watt speaker and amazing 6500 hour lamp life. The EH319UST's powerful throw ratio of 0.25 allows a 100 inch image from a throw distance of only 22 inches.

The EH319UST is flexible and robust providing full network control support for popular management suites such as Crestron and PJ Link, along with support for RS-232C and Telnet-based commands. The 16-Watt speaker is crisp and clear, enhancing the effectiveness of presentations containing audio while the ECO+ power mode yields an impressive 6500 hours of lamp life.

CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Digital Cameras



Apple TV®



Chromecast™

1080P UST PROJECTOR — EH319UST

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution	Full HD 1080p (1920 x 1080)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	3500 ANSI Lumens
Contrast Ratio	18000:1
Displayable Colors	1.07 Billion
Lamp Life*	3000/5000/5000/6500 Hrs (Bright/ECO/Dynamic/ECO+)
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° Vertical
Uniformity	>85%
Offset	118%
Aspect Ratio	16:9, 4:3, 16:10, LBX, Native, Auto
Throw Ratio	0.25:1 (distance/width), ±5% Variance
Projection Distance	17.7"– 22.1" (0.45–0.56 m)
Image Size (Diagonal)	80"–100" (2.03–2.54 m) Diagonal 16:9
Projection Lens	F/2.4; f=3.72 mm, Fixed Zoom
Zoom	Fixed Zoom
Audio	One 16-Watt speaker
Noise Level	Min 29dB–Max 36dB
Remote Control	IR remote
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	320W Bright Mode / 260W Eco mode (<0.5W Standby)
High Altitude	Operating Temp @ Sea Level to 10000 feet = 23C (max); MUST manually switch to high altitude mode @ 5000 feet & above (using OSD) to maintain optimal functionality.

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	WUXGA, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Video Input Compatibility	PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)
3D Compatibility¹	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	24–85Hz (120Hz for 3D)
Horizontal Scan Rate	15.3–91.1kHz
User Controls	Complete on-screen menu, adjustments in 25 languages
I/O Connection Ports	2x HDMI (1.4a 3D support), 3D-Sync Port Out, VGA1-In (YPbPr/RGB), VGA2-In/VGA-Out (shared), Composite Video, Audio1-In (analog RCA), Audio2-In (3.5 mm), Audio-Out (3.5 mm), RJ45, RS-232C, mini USB (remote mouse/service), 12V trigger, Mic, USB-A (power)
Epson UST Arm Mount Compatibility	Adapter Plate for Epson Arm Mount (Part #EWMA2000)
Loop Through (Audio)	Yes

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, security bar and keypad lock
Weight	10.53 lbs (4.78 kg)
Dimensions (W x H x D)	15.15" x 4.72" x 12.20" (385 x 120 x 310 mm)

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

¹3D content can be viewed with either RF or DLP Link active shutter 3D 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 Sync port. Please visit www.OptomaUSA.com for more information.

The image shows the rear panel of the projector with 16 numbered callouts (1-16) pointing to various ports and features. Below it is a remote control with 16 numbered callouts (1-16) pointing to various buttons and functions.

1. AC Power	6. 12V Trigger	11. HDMI-1
2. RJ45	7. Audio2-Out (3.5 mm)	12. HDMI-2
3. USB (Power)	8. MIC	13. Composite Video
4. 3D Sync	9. Audio1-In (RCA)	14. VGA1-In (YPbPr/RGB)
5. RS-232C	10. Audio2-In (3.5 mm)	15. VGA2-In/VGA-Out
		16. USB mini (mouse/service)

Power On	Freeze
Video Mute	Mouse Switch
Left	Audio Mute
Right	Right
Enter	Four Directional Select Keys
Page Up	Laser
Keystone	Page Down
Aspect Ratio	Volume
HDMI	3D
User 1	Video
User 2	VGA
Source	User 3
	Resync
	Brightness Mode

Warranty

3-Year Optoma Express Service, 1-Year on Lamp

What's in the Box

EH319UST projector, AC power cord, VGA cable, USB cable, remote control, batteries, quick start card, CD user manual

Optional Accessories

Ceiling mount, component to VGA cable, RS-232 cable, Optoma screen, DLP® Link™ 3D glasses, RF 3D glasses, RF 3D emitter, Wireless HDMI Solution, Adapter plate for Epson arm mount, Adapter plate for Promethean arm mount

Accessory Part Numbers

Lamp: SP.72701GC01	Remote: SP.72702GC01
Wireless HDMI Solution: WHD200 Wireless	Wireless VGA Dongle: BI-EXTBG03
VGA to component adaptor: BC-VGCRXY00	RF 3D glasses: ZF2300GLASSES
DLP® Link™ 3D glasses: ZD302	RF 3D emitter: BC300
Adapter plate for Epson arm mount: EWMA2000	Optoma Wall mount: OWM2100
Adapter plate for Promethean arm mount: BM-4001P	

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www.OptomaUSA.com

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