

# 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

<b>Display Technology</b>	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
<b>Native Resolution</b>	Full HD 1080p (1920 x 1080)
<b>Maximum Resolution</b>	WUXGA (1920 x 1200)
<b>Brightness</b>	3500 ANSI Lumens
<b>Contrast Ratio</b>	18000:1
<b>Displayable Colors</b>	1.07 Billion
<b>Lamp Life*</b>	3000/5000/5000/6500 Hrs (Bright/ECO/Dynamic/ECO+)
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±40° Vertical
<b>Uniformity</b>	>85%
<b>Offset</b>	118%
<b>Aspect Ratio</b>	16:9, 4:3, 16:10, LBX, Native, Auto
<b>Throw Ratio</b>	0.25:1 (distance/width), ±5% Variance
<b>Projection Distance</b>	17.7"– 22.1" (0.45–0.56 m)
<b>Image Size (Diagonal)</b>	80"–100" (2.03–2.54 m) Diagonal 16:9
<b>Projection Lens</b>	F/2.4; f=3.72 mm, Fixed Zoom
<b>Zoom</b>	Fixed Zoom
<b>Audio</b>	One 16-Watt speaker
<b>Noise Level</b>	Min 29dB–Max 36dB
<b>Remote Control</b>	IR remote
<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>	320W Bright Mode / 260W Eco mode (<0.5W Standby)
<b>High Altitude</b>	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

<b>Computer Compatibility</b>	WUXGA, UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
<b>Video Input Compatibility</b>	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)
<b>3D Compatibility<sup>1</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>	24–85Hz (120Hz for 3D)
<b>Horizontal Scan Rate</b>	15.3–91.1kHz
<b>User Controls</b>	Complete on-screen menu, adjustments in 25 languages
<b>I/O Connection Ports</b>	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)
<b>Epson UST Arm Mount Compatibility</b>	Adapter Plate for Epson Arm Mount (Part #EWMA2000)
<b>Loop Through (Audio)</b>	Yes

## PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, security bar and keypad lock
<b>Weight</b>	10.53 lbs (4.78 kg)
<b>Dimensions (W x H x D)</b>	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.

<sup>1</sup>3D 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](http://www.OptomaUSA.com) for more information.

**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**  
**Menu**              **Volume**  
**Aspect Ratio**      **3D**  
**HDMI**              **Video**  
**User 2**              **VGA**  
**User 1**              **User 3**  
**Source**              **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

UPC 796435 44 015 2

[www.OptomaUSA.com](http://www.OptomaUSA.com)



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