





# INDUSTRY FIRST 1080p UST PROJECTOR EH320UST



## 1080p Ultra Short Throw Projector For Business and Education



-  **Industry-leading 1080p 4000 lumen ultra short throw projector with 20,000:1 contrast ratio**
-  **Large, clear, and shadow-free 100" image from less than 2' away - IDEAL for installations with limited space**
-  **Low total cost of ownership with 6500 hour lamp life**
-  **Extensive connectivity, robust network control, and powerful 16-Watt speaker**



The Optoma EH320UST is the market's first Full HD 1080p Ultra Short Throw DLP® Projector. The EH320UST is Optoma's feature-packed next generation ultra short throw projector for business and education users who demand bright 1080p projection.

The EH320UST sports impressive ultra bright 4000 lumen image, 20,000:1 contrast ratio, powerful 16-Watt speaker and amazing 6500-hour lamp life. With an industry-leading throw ratio of 0.25, it allows for a 100" image from a throw distance of only 22 inches.

The EH320UST 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. Lamp life can exceed 6000 hours in ECO+ mode and the 16-Watt speaker is crisp and clear, enhancing the effectiveness of presentations containing audio and video.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Digital Cameras



Apple TV®



Chromecast™

# INDUSTRY FIRST UST PROJECTOR — EH320UST

## 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>	4000 Lumens
<b>Contrast Ratio</b>	20000:1 (full on/full off)
<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>	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)

## PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, security bar and keypad lock
<b>Weight</b>	10.53 lb (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.

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

EH320UST projector, AC power cord, VGA cable, USB cable, remote control, batteries, quick start card, CD user manual

### Optional Accessories

HDMI cable, ceiling mount, component to VGA cable, RS-232 cable, Optoma screen, DLP® Link™ 3D glasses, RF 3D glasses, RF 3D emitter, Wireless HDMI Solution, and Adapter Plate for Epson Arm Mount

### Accessory Part Numbers

Lamp: SP.72701GC01	Remote: SP.72702GC01
Wireless HDMI Solution: WHD200	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: OPCWM1100

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