EH320UST

1080p Ultra Short Throw Projector

- Bright projection – 4000 ANSI lumens
- Full HD 1080p resolution, 20,000:1 contrast ratio
- 2x HDMI input and 16W audio
- Crestron RoomView® – RJ45 control and monitoring



EH320UST

Optoma's 1080p ultra short throw projector, the EH320UST, is perfect for businesses, schools and colleges. It is bright (4,000 lumens) and a throw ratio of 0.25:1 means that it can project a 100" image from just 55cm away. And having the projector installed so close to the screen avoids any shadows being cast across the screen from the presenter(s).

It provides a complete package for engaging learning with many new features, including two HDMI inputs, powered USB port, powerful 16W built-in speaker, improved lamp life, compact chassis and a completely new mounting system for a fast and simple set-up.

Ultra short throw



With an ultra-short throw lens, you can project an impressive image greater than 100" from just 55cm away. This allows you to place the projector closer to the wall, reducing shadows so you can present with ease; perfect for interactive applications.

Full HD 1080p

1080p resolution gives you sharp and detailed images from HD content without downscaling or compression; perfect for watching Blu-ray movies, HD broadcasting and playing video games.



High Contrast

Add more depth to your image with a high contrast projector; with brighter whites and ultra-rich blacks, images come alive and text appears crisp and clear - ideal for business and education applications.

Full 3D

Optoma projectors can display true 3D content from almost any 3D source, including 3D Blu-ray players, 3D broadcasting and the latest generation games consoles. Support for 144Hz rapid refresh rate provides ultra-smooth flicker free images.



Integrated Speaker

The built-in speaker offers excellent audio support. Easy to set up without the need for costly external speakers

Eco+



Eco+ technology brings together high contrast, improved lamp life and energy saving features that are easy to use while reducing power consumption.

Energy Saving

Using the specially designed lamp modes, you can reduce the power consumption by up to 70%. Each mode also has a positive effect on the lamp life, while lowering the total cost of ownership and reducing maintenance.

Quick Resume

This feature allows the projector to be instantly powered on again, if it is accidentally switched off.

Auto Power Off

There may be instances when the projector is left running when not in use. To help save energy, the "Auto Power Off" feature automatically turns off the projector after a set period of time if it is not being used

Eco AV Mute

Stay in control of your presentation with Eco AV mute. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also reduces the power consumption by up to 70%, further prolonging the life of your lamp.

Long Lamp Life

Reduce the number of lamp changes with lamp life of up to 6500 hours.

Remote Mouse

Keep your audience's attention focussed on the right things using the simple, yet powerful remote with USB mouse control.

Networking and Control

Featuring a wide range of options you can remotely control and monitor the projector.

- RS232 - Optoma projector's come with an extensive set of RS232 commands making it simple and easy to manage using any control system.
- AMX Compatibility - Dynamic discovery protocol is incorporated into the projector allowing for easy installation with AMX control systems.

- LAN Control - Using the compatible RoomView® software you can power on/off, monitor, manage and control up to 250 projectors at the same time from any computer.
    - Schedule the projectors to power on/off.
    - Control and alter the projector settings using the simple web browser.
    - Emergency text broadcast capabilities for urgent or important announcements.
    - Automatically receive email updates for lamp maintenance.

Colour Guarantee

Enjoy dazzling colours for years to come; guaranteed by Optoma for five years' consistent performance.

Amazing Colours

For vibrant, natural looking images, Optoma projectors incorporate BrilliantColor™ multi-colour processing technology.



without with

Wireless Presenting (optional extra)

Making presentations couldn't be easier using the optional wireless features of the WPS Wireless Adapter (sold separately) - you can connect and display presentations wirelessly from a laptop, PC or mobile device.



USB Power

Use the USB-Power to power an HDMI dongle, such as Google Chromecast or the Optoma WHD200 wireless HDMI device.

EH320UST Specification

Display Technology	Single 0.65” WXGA DC3 DMD chip DLP® Technology by Texas Instruments
Native Resolution	1080p 1920 x 1080
Brightness[1] (Bright Mode)	4000 ANSI Lumens
Contrast	20,000:1
Noise Level (Eco mode)	28dB
Weight (kg)	4.78
I/O Connectors	2 x HDMI (1.4a 3D support), 2 x VGA (YPbPr/RGB), Composite, 2 x Audio In 3.5mm, Audio Out 3.5mm, VGA Out (Shared with VGA2), RJ45, RS232, USB remote mouse/service, 12V trigger, Mic In, USB-A Power, 3D-Sync
Computer Compatibility	UXGA, SXGA, WXGA, HD, XGA, SVGA, VGA, Mac
Video 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)
Displayable Colours	1.07 Billion
Projection Lens	F/2.4; f=3.72mm, Fixed Zoom
Throw Ratio	0.25:1
Projection Screen Size	2.03 – 2.54m (80” – 100”) Diagonal 16:9
Projection Distance	0.45 - 0.59m
Zoom Type	Fixed
Aspect Ratio	16:9 Native, 4:3 Compatible
Offset	118%
Horizontal Scan Rate	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz (120Hz for 3D)
Lamp Type	260W
Lamp Life[2] Eco+/Dynamic/Eco/Bright	6500/5000/5000/3000 (hrs)
Keystone Correction	± 20° Vertical
Dimensions (W x D x H) (mm)	385 x 310 x 99
Power Supply	100-240V, 50-60Hz
Power Consumption	310W Bright mode / 260W Eco mode (< 0.5W Standby)
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Uniformity	85%
Security	Security bar, Kensington lock, password protection
Standard Accessories	AC power cord, VGA cable, remote control, battery, quick start card, CD user manual
Optional Accessories	DLP® Link™ 3D glasses, wireless, wall mount, interactive module
RoHS	Compliant
3D Support	Full 3D - The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Speaker (Watts)	16
On Screen Display	13 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Swedish, Turkish, Czech and Arabic
Optional Wireless	Yes

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[1]Lamp based projectors brightness and lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. LED projectors do not have a replaceable lamp and the brightness does not decay significantly over the product lifetime.

[2]Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions

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