Optoma

EH500

Make a bright impact

- High resolution for stunning clarity

- Full HD 1080p - 4700 lumens

- Ultimate Control - Full support for Crestron, Extron, AMX, PJ-Link and Telnet LAN commands

- Extensive connectivity - HDMI, DisplayPort, 2 x VGA

EH500

The Full HD EH500 produces crystal clear, bright images, perfect for a broad range of applications including technical, advertising media and medical training where detail really matters.

Full support for Crestron Roomview, Telnet, Extron IP Link, AMX dynamic device discovery and PJ-Link protocols, allow almost all aspects of the EH500 to be controlled across a network, keeping you in control, wherever you are

The environmentally friendly EH500 has energy saving features including <0.5W standby mode and auto power off saving you both time and money. Our unique Optoma Colour guarantee ensures hassle-free, long-lasting projection.

Creston Roomview® - NETWORK CONTROL

RoomView® software provides a custom configurable interface to monitor, manage and control every device in every room remotely from any computer

- Manage up to 250 projectors at the same time (via master PC).
- Control and alter the projector settings using a simple web browser page including OSD menu control.
- Set up email alerts for warning message
- Ideal for large installations in both the educational and business environments.

Full HD

Full HD (1920 x 1080) has more than twice the resolution of HD Ready (1280 x 720). EH500 is compatible with HDTV broadcasts and high–definition media to project impressive full 1080p images and video in their original digital brilliance.

XGA (1024 x 768)   1080p (1920 x 1080)

RS232 Control

The extensive RS232 command set makes it simple and easy to control the EH500 with any control system.

AMX Compatibility – Dynamic Discovery
IP protocol is incorporated into the EH500. This feature allows for easy installation with AMX control systems

Extensive Connectivity

This native 1080p projector accepts a wide variety of computer and video input signals.
Connectivity includes: HDMI, DVI-D, dual VGA (SCART/ Component via adaptor), S-Video, Composite, VGA-Out, RS232 , RJ45 and +12V trigger.
Two audio inputs for individual PC and video connections enable the EH500 to function as an audio switcher and volume controller, thereby eliminating complicated and costly additional audio hardware and cabling.

Clear, Focused Images

DarkChip3™ technology from Texas Instruments produces a stunning 10.000:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites, ultra-rich blacks makes images come alive and text easier to read

- ideal for business and education presentation.

3000:1 contrast ratio   10.000:1 contrast ratio

Environmentally Friendly

The EH500 incorporates energy saving features to conserve power and extend the lamp life:

To achieve the maximum 3500hrs² lamp life time the projector should be operating in STD mode and the shut down timer should be enabled to automatically switch off the projector if it is accidentally left on when no longer required. Enabling the <0.5W Standby mode will ensure the minimum energy consumption when the projector is not being used.

Extra Features

- Easy lamp replacement from the top cover
- Direct power on – start up time is significantly reduced as standby mode is bypassed when the power cable is inserted into an active power outlet. This eliminates the need to use the 'Power' button on the remote control or the projector keypad.
- Signal power on – the projector will power on when it receives a signal. This eliminates the need to use the 'Power' button on the remote control or the projector keypad.

- Auto power off – if after a pre-determined time the projector does not receive a signal, it will turn itself off automatically, conserving power and extending the life of the lamp.
- Key pad lock – once enabled prevents unauthorised adjustments ensuring the projector can only be controlled via the remote control.
- +12v Trigger – electric screen control
- Logo capture – customise your start up screen
- Easy to use remote with laser pointer, mouse control and direct source selection

Virtually Maintenance Free = Lower Cost of Ownership

EH500 provides lower cost of ownership, longer life and improved reliability. The filter-free projector design does not require regular filter cleaning or filter replacement, saving you time and money.

Colour Guarantee

We are so confident that the EH500 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.
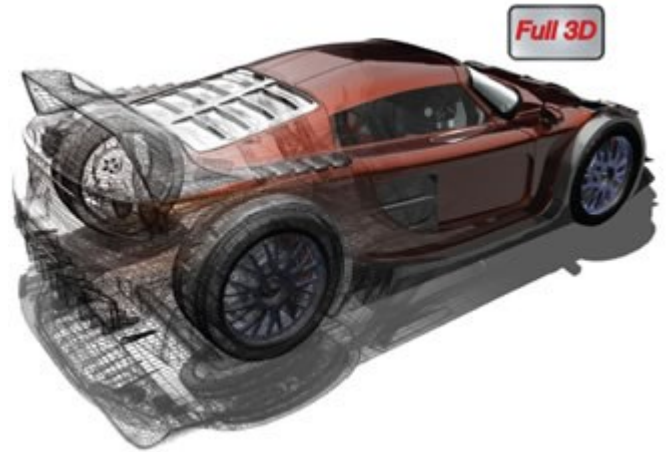
Amazing Colours

The EH500 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

3D technology

Using the inherent speed of DLP® technology, Optoma Full 3D projectors can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D. The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.
The EH500 supports multiple 3D formats from various devices such as PC, Blu-ray 3D™, Sony® PS3, Microsoft® Xbox 360 or 3D TV broadcast system.

PJ-Link Compatibility

System integration control

Multiple EH500 can be monitored over LAN and can also provide the user with an email message alert in case an error occurs or a lamp fails or needs to be replaced using Crestron Roomview. The web browser interface and full support for Telnet, Extron's IP Link, AMX dynamic device discovery and PJ-Link protocols, allow almost all aspects of the EH500 to be controlled across a network, keeping you in control, wherever you are.

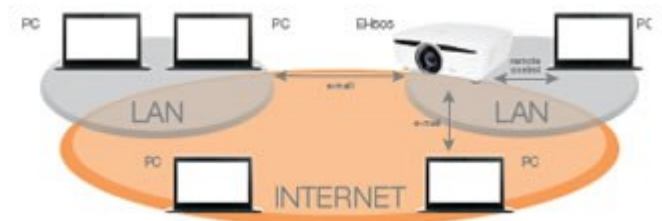Global monitoring of all AV devices

Track projector lamp life

Email alerts and instant notifications- help desk requests, service reminders, device failure or theft
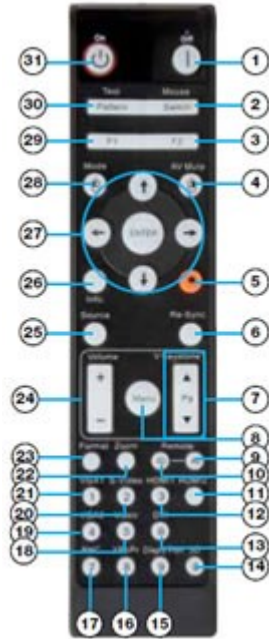
Event Scheduling

EH500 Specification

Display Technology	Single 0.65" 1080p DMD chip DLP® Technology by Texas Instruments
Native Resolution	1080p 1920 x 1080
Brightness[1] (Bright Mode)	4700 ANSI Lumens
Contrast	10,000:1
Noise Level (Eco mode)	28dB
Weight (kg)	3.6
I/O Connectors	2 x HDMI, DisplayPort, 2 x VGA (RGB/YPbPr), S-Video, Composite, 2 x Audio In (RCA/3.5mm), Audio Out 3.5mm 3.5mm, VGA Out, RJ45, RS232, USB(Remote Mouse), +12v Trigger, 3D-Sync
Maximum Resolution	Full HD 1920 x 1080
Computer Compatibility	UXGA, SXGA, 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/2.5~2.76; f=23.5~28.2mm, 1.2x Manual Zoom
Throw Ratio	1.59 - 1.91:1
Projection Screen Size	0.72 – 8.67m (28.41" - 341.28") Diagonal 16:9
Projection Distance	1.2 - 12 metres
Zoom Type	1.2x Manual
Aspect Ratio	16:9 Native, 4:3 Compatible
Offset	115%
Horizontal Scan Rate	15 - 91kHz
Vertical Scan Rate	25 - 144Hz
Lamp Type	310W
Lamp Life[2] Eco+/Dynamic/Bright	4000/3500/2500 (hrs)
Keystone Correction	± 30° Vertical
Audio	3W
Dimensions (W x D x H) (mm)	326 x 254 x 104
Remote Control	Full function remote with laser pointer, mouse control and direct source selecting
Power Supply	100-240V, 50-60Hz
Power Consumption	370W BRIGHT mode <0.5W Standby mode, 320W STD mode <0.5W Standby mode
Operating Conditions	5°C - 45°C, Max. Humidity 85%, Max. Altitude 2500m
Uniformity	85%
Security	Kensington Lock, Password Protection, Keypad lock
Standard Accessories	Soft Carry Bag, Lens Cover, AC Power Cord, VGA Cable, Infra Red Remote Control with Batteries, Quick Start Card, Warranty Card
Optional Accessories	Ceiling Mount, 3D Glasses
RoHS	Compliant
3D Support	Mandatory HDMI 1.4 3D formats, 120Hz frame sequential (up to 720p)
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses – sold separately
Speaker (Watts)	3
360' Operation	Not supported
Portrait Mode	Not supported
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Romanian, Farsi, Arabic
Optional Wireless	Yes
Features	Easy Lamp Replacement, Crestron RoomView®, PJ-Link

Easy to use remote control

EH500 Remote Control

1. Power Off
2. Mouse
3. Function 2 (assignable)
4. AV Mute / right mouse button
5. Laser
6. Re-Sync
7. Page Up/Down
8. Menu
9. Remote code All
10. Remote code 01~99
11. HDMI 2
12. HDMI 1
13. DVI
14. 3D Mode
15. DisplayPort
16. Component Video
17. BNC
18. Composite Video
19. VGA 2
20. S-Video
21. VGA 2
22. Zoom
23. Format (aspect ratio)
24. Volume Up/Down
25. Source
26. Information Panel
27. Four Directional Select Keys
28. Display mode / left mouse button
29. Function 1 (assignable)
30. Test Pattern
31. Power On

EH500 Connections

32. USB Remote Mouse
33. VGA Out
34. VGA 1
35. VGA 2
36. DisplayPort
37. HDMI 1
38. HDMI 2
39. 3D Sync
40. +12V Trigger (3.5mm)
41. Audio In (S-Video & Composite)
42. RJ45
43. Audio Out
44. RS-232C
45. Audio In (VGA, VGA 2, & Composite)
46. S-Video
47. Composite Video
48. KensingtonTM Lock

Exceptional Connectivity / Multiple Terminals

EH500 Projection Distance 1 - 10m (16:9 Aspect ratio)							
Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Vertical Image Size (m)	Min. Vertical Image Size (m)	Max Diagonal Image Size (m)	Max Diagonal Image Size (inch)	Max. Image Offset (m)
1.20	0.67	0.57	0.50	0.43	0.83	32.84	0.06
2.00	1.11	0.95	0.84	0.71	1.39	54.73	0.10
2.50	1.39	1.18	1.04	0.89	1.74	68.41	0.13
3.00	1.67	1.42	1.25	1.07	2.09	82.10	0.15
4.00	2.22	1.90	1.67	1.43	2.78	109.46	0.20
5.00	2.78	2.37	2.09	1.78	3.48	136.83	0.25
6.00	3.33	2.84	2.51	2.14	4.17	164.19	0.30
7.00	3.89	3.32	2.92	2.49	4.87	191.56	0.35
8.00	4.44	3.79	3.34	2.85	5.56	218.92	0.40
9.00	5.00	4.27	3.76	3.21	6.26	246.29	0.45
10.00	5.56	4.74	4.18	3.56	6.95	273.65	0.50
11.00	6.11	5.21	4.59	3.92	7.65	301.02	0.55
12.00	6.67	5.69	5.01	4.28	8.34	328.38	0.60

For guide purposes only

Optoma Europe Ltd.

42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ

www.optoma.co.uk

09/03/2015 16:33