



## A compact and versatile package

**Optoma EH415ST Projector** offers all the features you need in limited spaces, including 3600 ANSI lumens of brightness, 20,000:1 contrast ratio, 90" view within a meter. Full support for Crestron Roomview, Telnet, Extron, AMX and PJ-Link, allow almost all aspects of the EH415ST to be controlled across a network, keeping you in control wherever you are. Also, the environmentally friendly EH415ST has energy saving features including Eco+ lamp power management, <math><0.5\text{W}</math> standby mode and auto power off, saving you both time and money.



# EH415ST

## Short Throw Lens

Project an impressive 90" diagonal image from less than 1 meter away. Stand alone or wall mounted the EH415ST eliminates shadows on the screen and allows you to present with ease.

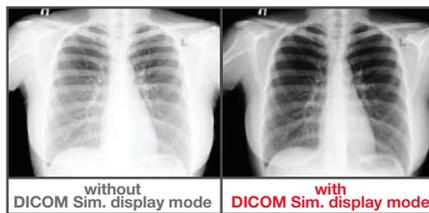
## 3D Technology

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 EH415ST supports multiple 3D formats from various devices such as PC, Blu-ray 3D™, Sony® PS3, Microsoft® Xbox 360 or 3D TV broadcast systems.

## DICOM Sim. Display Mode

DICOM is the international standard for medical images and related information for doctors and for patients. The EH415ST offers DICOM Sim. Display Mode\*, specifically tuned for viewing greyscale images and details of the images, perfect for viewing X-rays and scans during medical training program or discussion.

\* for medical training or discussion only



## System Integration Control

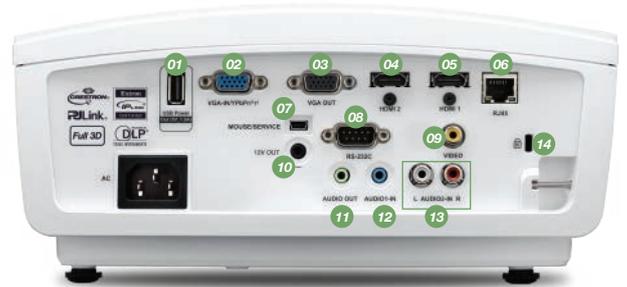
Using Crestron Roomview, multiple EH415ST can be monitored over LAN and also provide the user with an email message alert in case an error occurs or a lamp fails. The web browser interface and full support for Extron's IP Link, AMX dynamic device discovery and PJ-Link protocols, allow almost all aspects of the EH415ST to be controlled across a network, reducing installation costs and keeping you in control wherever you are. While RS-232 connectivity ensures legacy support for existing control systems.

## Easy Lamp Replacement

In applications requiring smooth continuous operation, minimizing service time is essential. The EH415ST lamp can quickly be replaced without the need to remove the projector from where it is installed.

## Input/Output Connections

- |              |                    |                 |              |
|--------------|--------------------|-----------------|--------------|
| 01.USB Power | 02.VGA-IN          | 03.VGA-OUT      | 04.HDMI 2    |
| 05.HDMI 1    | 06.RJ45            | 07.USB(Service) | 08.RS-232C   |
| 09.VIDEO     | 10.12V RELAY OUT   | 11.AUDIO OUT    | 12.AUDIO1-IN |
| 13.AUDIO2-IN | 14.Kensington Lock |                 |              |



## Specification

## EH415ST

<b>Display Technology</b>	Texas Instruments DLP® technology / 1080P DMD Chip
<b>Native Resolution</b>	Native: 1920 x 1080 (1080P) Support Computer signal up to WUXGA/60Hz
<b>Brightness / Contrast Ratio</b>	3600 ANSI Lumens / 20,000 :1
<b>Display Colors</b>	1073.4 million colors (10bit)
<b>Image Size</b>	50~150 inch
<b>Throw Ratio (Projection distance/width)</b>	0.5 :1 (Projection distance/width) Fixed Lens
<b>Digital Keystone Correction</b>	± 20° Vertical
<b>Aspect Ratio</b>	16:9 Native, 16:10/4:3 Compatible
<b>Scan Rate</b>	Horizontal : 15,31 ~ 90 kHz / Vertical : 50 ~85 Hz
<b>Computer Compatibility</b>	WUGXA, UXGA, SXGA+,SXGA, SVGA, XGA, VGA Compression, VESA standards, PC & Macintosh compatible
<b>Video Compatibility</b>	Full NTSC, PAL PAL-M, PAL-N, SECAM
<b>Input / Output Connections</b>	HDMI x2, VGA(YPbPr/ RGB) x1, VGA Out x1, Composite Video x1, +12V Relay output x1, USB Power, Audio in x1(Mini-Jack), Audio in x1(RCA), Audio Out x1(Mini-Jack), RS232 Control x1, RJ45 Controlx1, USB (service) x1
<b>Uniformity</b>	85 %
<b>Speaker</b>	10W
<b>Noise</b>	37 dB (ECO mode)
<b>Lamp Life</b>	7000 hrs (DB = On) / 4000 hrs (ECO mode) / 3000 hrs (Bright mode)
<b>Power Supply</b>	Universal AC 100 ~ 240V, 50/60Hz @110VAC
<b>Dimensions (WxDxH) / Weight</b>	286 x 266 x 124 mm / 3.4kg

\*Optoma reserves the right to change this brochure without prior notice, please refer to [www.optoma.com](http://www.optoma.com) for any change



\*Optoma guarantees that in normal use, Optoma DLP® color quality will be indistinguishable from when new. Please note that worn lamps will give slight variance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive (3) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other fault. Typical lamp life achieved through testing. Will vary according to operational use and environment conditions. Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. Exclusions: (1) Guarantee is voided if the projector is subject to damage through mis-use. (2) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is particularly excessive. Copyright © 2015, Optoma Corporation. All other product names and company names used herein are for identifications purposes only and may be trademarks or registered trademarks of their respective owners. Errors and omissions excepted, all specifications are subject to change without notice. DLP®, BrilliantColor™ and the DLP logo are registered trademarks of Texas Instruments.