Optoma

EX815
DLP® Projector

A Powerful
Performer

Exceptional brightness – 5000 ANSI Lumens

Crestron Roomview control and LAN display

PC Free presentations

Native XGA Resolution

EX815

Exceptional brightness, excellent connectivity and amazing colours ensure the Optoma EX815 XGA, 5000 ANSI Lumens projector is the perfect choice for any large venue or conference room.

Exceeding the demands of 21st century, the EX815 is packed with wide array of features to make presenting both easier and more exciting than ever before…

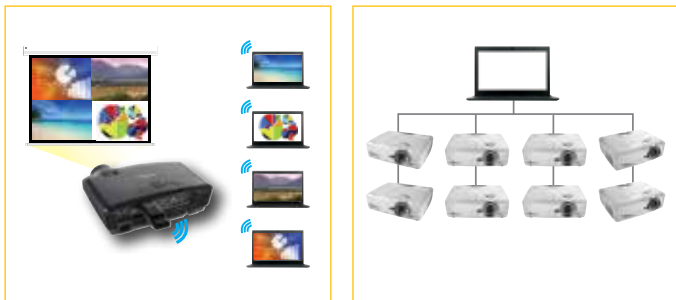The environmentally friendly EX815 has energy saving features including <0.5W standby mode and auto power off saving you both time and money. Our unique Optoma Colour guarantee ensures hassle-free, long-lasting projection.

EFFORTLESS PRESENTING

Enjoy hassle-free presenting using the USB Reader to project a JPEG presentation directly from a USB flash drive.

Alternatively view up to 4 PC/Laptops side-by-side at the same time., using the free Optoma Presenter software .

Or even broadcast your presentation across a wired/wireless network to as many as 8 projectors simultaneously

Wireless support require sthe optional Optoma mini-WiFi dongle accessory, available separately.

DICOM SIMULATION MODE

Designed specifically for larger meeting rooms and lecture theatres, the EX815 includes a special DICOMsim mode that has been specifically tuned for viewing greyscale images, perfect for viewing X-rays and scans during medical training.*

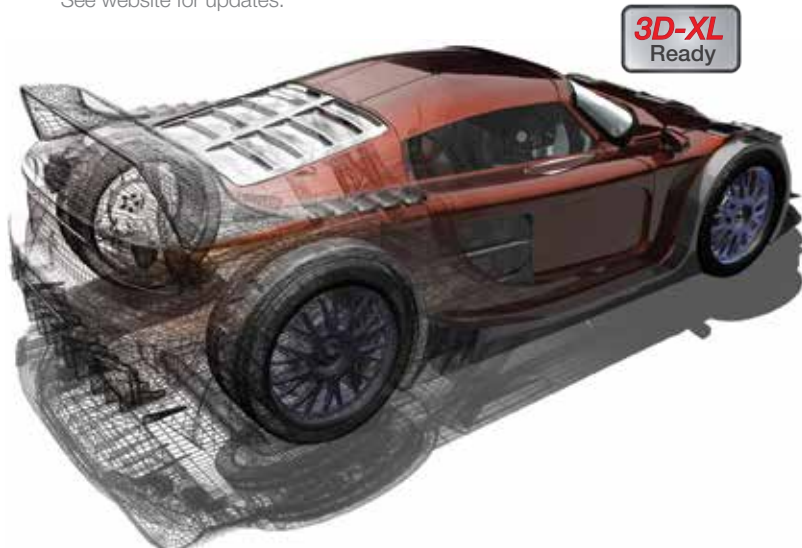*The EX815 is not suitable for use in medical diagnosis.

3D TECHNOLOGY

Using the inherent speed of DLP technology, The Optoma EX815 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 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. Support for 3D TV broadcast systems, (SKY in the UK) or Blu-ray 3D™ will require the Optoma 3D-XL that is available separately. See website for updates.

CLEAR, FOCUSED IMAGES

DarkChip3™ technology from Texas Instruments produces a stunning 3000:1 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 presentations.

easier to read

1000:1 contrast ratio   3000:1 contrast ratio

‡Simulated Image

AMAZING COLOURS

The EX815 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

EXTENSIVE CONNECTIVITY

This native XGA 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.

Three audio inputs for individual PC and video connections enable the EX815 to function as an audio switcher and volume controller, thereby eliminating complicated and costly additional audio hardware and cabling.

Project Green

We know that improving our products is the best way to reduce our impact on the environment. That's why at Optoma, we design our products to have a long usable life, use fewer materials, ship with the minimum packaging and be free of all possible toxic substances. Naturally, energy efficiency and being recyclable are built in at the design stage. With each new product, we strive towards minimising our environmental impact. For full details of Optoma Project Green please visit our website.

ENVIRONMENTALLY FRIENDLY

The EX815 incorporates energy saving features to conserve power and extend the lamp life:

3000 hrs — To achieve the maximum 3000hrs[2] 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 accidently left on when no longer required.

Auto Power Off
There may be instances when the projector is left running when not in use. To help save energy if the projector is left running and no source is detected, the 'Auto Power Off' feature automatically turns off the projector after a set period of time

Scheduled Power ON/Off
Alternatively, automatically power On/Off the EX815 at the beginning and end of each day using the free Crestron Roomview network management software, ensuring it is not using energy when not required.
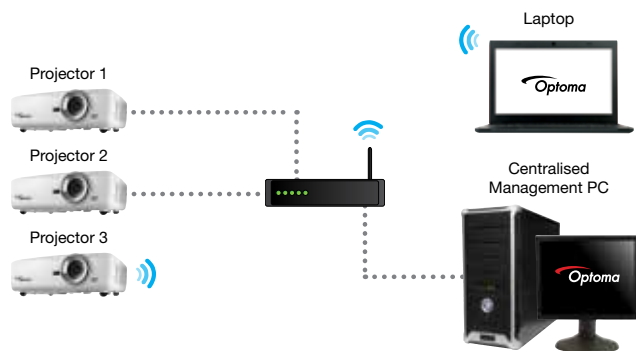
Eco Standby Mode
Enabling the < 0.5 W Standby mode will ensure the minimum energy consumption when the projector is not being used.

CRESTRON 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 messages

■ Ideal for large installations in both the educational and business environments.

Download Crestron RoomView® Express software from:
www.crestron.com/getroomview

RS232 CONTROL

The extensive RS232 command set makes it simple and easy to control the EX815 with any control system.

AMX Compatibility – Dynamic Discovery

Protocol is incorporated into the EX815. This feature allows for easy installation with AMX control systems.
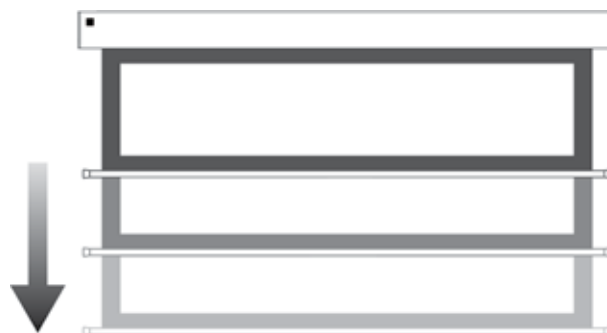
TOP LOADING LAMP

In applications requiring smooth continuous operation, minimising service time is essential. The EX815 lamp can quickly be replaced without the need to remove the projector from where it is installed.

+12V TRIGGER

Power on both your projector and screen at the touch of a single button. For ultimate convenience, connect an Optoma electric screen directly to your EX815.

For more info on Optoma screens, please visit **www.optomaeurope.com**

EXTRA FEATURES

■ 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.

■ 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.

■ Logo capture – customise your start up screen

■ Easy to use remote with laser pointer, mouse control and direct source selection

EX815 SPECIFICATIONS

Native Resolution	XGA 1024 x 768
Brightness - BRIGHT mode[1]	5000 ANSI Lumens
Contrast	3000:1
Noise Level	30 / 32dB (STD/BRIGHT mode)
Display Technology	Single 0.7" XGA DC3 DMD chip DLP® Technology by Texas Instruments
Throw Ratio	2.0~2.4:1 (Projection Distance:Image Width)
Projection Lens	F/1.77~1.93; 1.2x Manual Zoom
Projection Distance	1.2 - 12m
Image Size	0.76 - 7.62m (30" - 300") Diagonal 4:3
Offset	120%
Weight / Dimensions (W x D x H)	6.5kg / 398x303x146mm (inc feet)
Lamp Life[2]	3000/2000 (STD/BRIGHT mode)
Remote Control	Full function remote with laser pointer, mouse control and direct source selecting
INPUTS	HDMI (HDCP) - audio supported DVI-D - HDMI via adaptor 2 x 15 Pin D-Sub VGA (SCART/Component via adaptor) S-Video 4 Pin Mini Din Composite RCA 3x 3.5mm Audio in mini jack - Audio computer inputs USB-A (Reader / Wi-Fi) miniUSB (Display)
CONTROL	RS232 - 9 Pin D-sub RJ45 [Operation during standby mode - ECO standby must be set to off]
OUTPUT	15 Pin D-Sub VGA [Supported through VGA 1 only. Operation during standby mode - ECO standby must be set to off] Stereo Audio Mini Jack +12v Trigger USB (Remote Mouse)
Audio	16W (2x 8W Stereo)
Aspect Ratio	4:3 Native, 16:9 Compatible
Keystone Correction	± 40° Vertical
On Screen Display	18 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Czech, Turkish, Arabic & Farsi
Compatible Resolutions	UXGA, SXGA+, HD, WXGA, XGA, SVGA
Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
Uniformity	85%
Displayable Colours	1.07 Billion
Horizontal Scan Rate	15 - 91kHz
Vertical Scan Rate	25 - 120Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	385W BRIGHT mode <0.5W Standby mode, 325W ECO mode <0.5W Standby mode
Operating Conditions	Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	Kensington Lock Port, Password Protection, Keypad Lock
Standard Accessories	Lens Cover, AC Power Cord, VGA Cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card, WEEE Card
RoHS	Compliant
Lamp Warranty	6 months or 1000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see www.optomaeurope.com or ask your local supplier for details
Colour Guarantee[3]	5 Years
3D Support	120Hz frame sequential 3D for resolutions up to 720p. 60Hz field sequential 3D for resolutions up to 480i
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses – sold separately
3D Compatibility	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. Support for 3D TV broadcast systems, (SKY in the UK) or Blu-ray 3D™ will require the Optoma 3D-XL that is available separately. See website for updates.

EASY TO USE REMOTE CONTROL
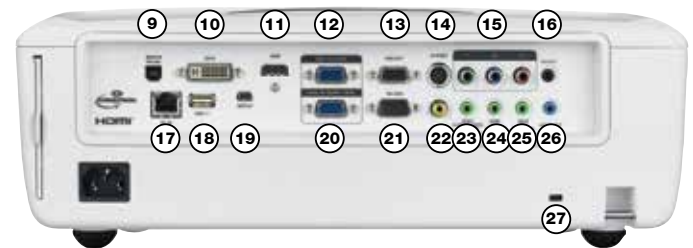
EX815 Remote Control
1. Laser
2. Remote Mouse
3. Page Up/Down Control
4. Vertical Keystone Correction
5. Volume Control
6. Freeze
7. AV Mute
8. Direct Input Source Selection

EX815 Connections
9. USB (Remote Mouse)
10. DVI-D
11. HDMI
12. VGA 1
13. VGA Out
14. S-Video
15. Component
16. +12v Trigger
17. RJ45
18. USB-A (Reader / Wi-Fi)
19. MiniUSB (Display)
20. VGA 2
21. RS232
22. Composite
23. Audio In (S-Video & Composite)
24. Audio In (VGA2)
25. Audio In (VGA 1, DVI-D)
26. Audio Out
27. Kensington™ Lock

Exceptional Connectivity/Multiple Terminals

Easy to use remote with buttons to change the input sources

EX815 Projection Distance 1.2 - 12m (4:3 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	0.60	0.50	0.45	0.38	0.75	29.53	0.09
2.00	1.00	0.83	0.75	0.63	1.25	49.21	0.15
2.50	1.25	1.04	0.94	0.78	1.56	61.52	0.19
3.00	1.50	1.25	1.13	0.94	1.88	73.82	0.23
4.00	2.00	1.67	1.50	1.25	2.50	98.43	0.30
5.00	2.50	2.08	1.88	1.56	3.13	123.03	0.38
6.00	3.00	2.50	2.25	1.88	3.75	147.64	0.45
7.00	3.50	2.92	2.63	2.19	4.38	172.24	0.53
8.00	4.00	3.33	3.00	2.50	5.00	196.85	0.60
9.00	4.50	3.75	3.38	2.81	5.63	221.46	0.68
10.00	5.00	4.17	3.75	3.13	6.25	246.06	0.75
11.00	5.50	4.58	4.13	3.44	6.88	270.67	0.83
12.00	6.00	5.00	4.50	3.75	7.50	295.28	0.90

For guide purposes only

EX815 is capable of 16:9 aspect ratio projection. When projecting a 16:9 image the image sizes, screen height and offset information will differ from the above.