X501
DLP® Projector

A Powerful
Performer

4500 L — 4500 Lumens, XGA Resolution

Installation flexibility, 1.6x Optical Zoom

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

Extensive features - Full 3D, PC-Free / LAN Presentations

Project Green

Eco⁺

Full 3D

CRESTRON RoomView® connected

PJLink™

Extron IP LINK® CERTIFIED

AMX DEVICE DISCOVERY

X501

High brightness, excellent connectivity and amazing colours ensure the Optoma X501 installation projector is the perfect choice for any large venue or conference room.

Exceeding the demands of 21st century, the X501 is packed with wide array of features to make presenting both easier and more exciting than ever before…

The environmentally friendly X501 has energy saving features including Eco⁺ lamp power management, <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.
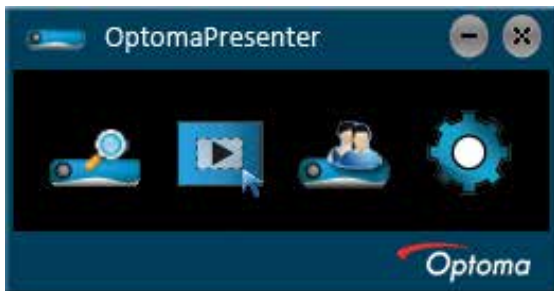
EFFORTLESS PRESENTING

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 requires the optional Optoma mini-WiFi dongle accessory, available separately.

DICOM SIMULATION MODE

Designed specifically for larger meeting rooms and lecture theatres, the X501 includes a special DICOMsim mode that has been specially tuned for viewing greyscale images, perfect for viewing X-rays and scans during medical training.*
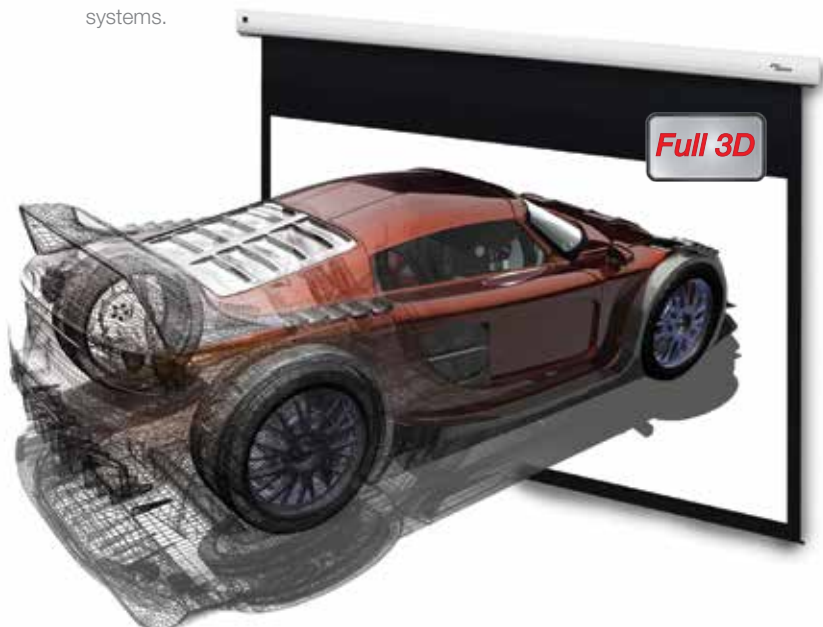
*The X501 is not suitable for use in medical diagnosis.

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 X501 supports multiple 3D formats from various devices such as PC, Blu-ray 3D™, Sony® PS3, Microsoft® Xbox 360 or 3D TV broadcast systems.

Full 3D

X501

The most intuitive way to present

Instantly present from your phone or tablet using the free App: VueMagic. Available for both Android and iOS devices, VueMagic. gives you the freedom to move around the room, share ideas and connect with your audience like never before, to create a more collaborative experience for everyone.

Use your device's touch screen to browse, flick between slides and pinch-to-zoom.

SCAN BARCODE TO DOWNLOAD VUEMAGIC

iPhone/iPad

Android

MOBILE VIDEO STREAMING

Stream your mobile device's camera feed directly to your projector to turn it into a portable visualiser; Ideal for sharing ideas with larger groups.
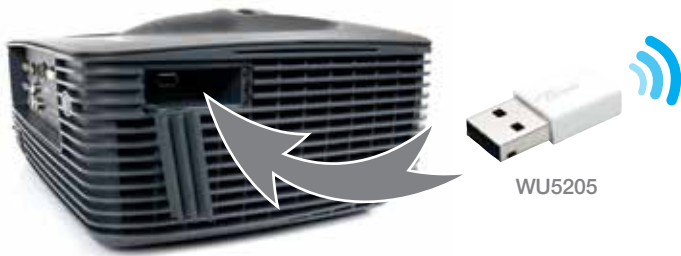
EMPHASISE THE KEY POINTS

Annotate directly onto your presentations in multiple colours, either freehand or using the tools provided.

EH501-B-en-GB.pdf

Performer

*Feature support is dependent on the App and device used.
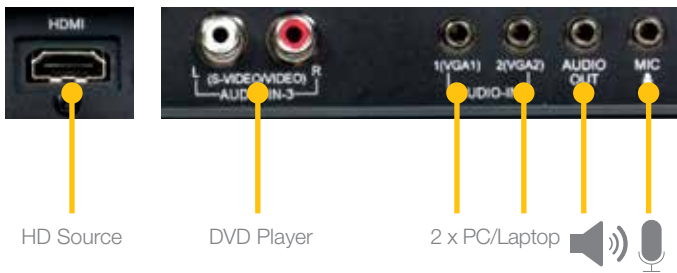
EXTENSIVE CONNECTIVITY

The X501 accepts a wide variety of computer and video input signals. Connectivity includes: HDMI, DVI-D, dual VGA (Component via adaptor), S-Video, Composite, USB Reader, VGA-Out, RS232, RJ45 and +12V trigger. In addition the optional Wi-Fi accessory can be securely connected to a dedicated hidden USB port.
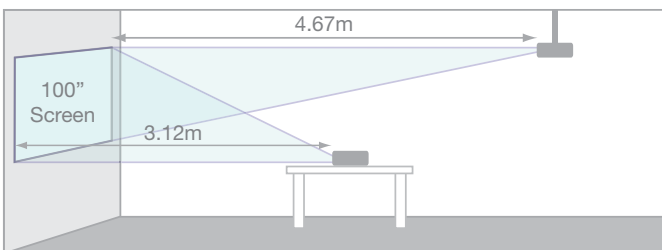
WU5205

Five audio inputs for HDMI, PC, video and microphone sources enable the X501 to function not only as an audio switcher and volume controller, but also as a basic PA system for larger meeting rooms; thereby eliminating complicated and costly additional audio hardware and cabling.

HDMI

L (S-VIDEO/VIDEO) R
AUDIO IN-3

1(VGA1) 2(VGA2) AUDIO OUT MIC
AUDIO-I

HD Source   DVD Player   2 x PC/Laptop

EASY INSTALLATION WITH 1.6X ZOOM

The X501 can project a 100" diagonal image from any distance between 2.82m to 4.59m to greatly increase your installation flexibility.

4.67m

100" Screen

3.12m

CLEAR, FOCUSED IMAGES

DarkChip3™ from Texas Instruments, combined with Eco⁺ dynamic lamp technology produce a stunning 15,000:1 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 presentations.

15,000:1 Contrast Ratio

AMAZING COLOURS

The X501 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced, life-like colours.
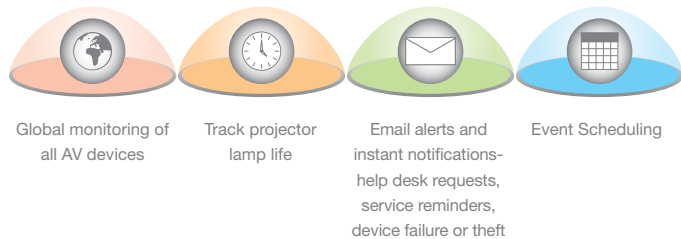
X501

SYSTEM INTEGRATION AND CONTROL

Using the free Crestron Roomview software, multiple X501 can be monitored over LAN and also provide the user with an email message alert in case an error occurs or a lamp fails. Cut up to 30% from your energy bills using 24-hour automated power scheduling to ensure that projectors power off when not in use.

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 X501 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.

| 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 |

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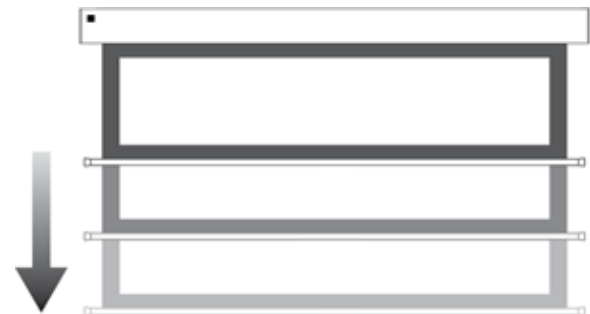**www.crestron.com/getroomview**

EASY LAMP REPLACEMENT

In applications requiring smooth continuous operation, minimising service time is essential. The X501 lamp can quickly be replaced without the need to remove the projector from where it is installed.
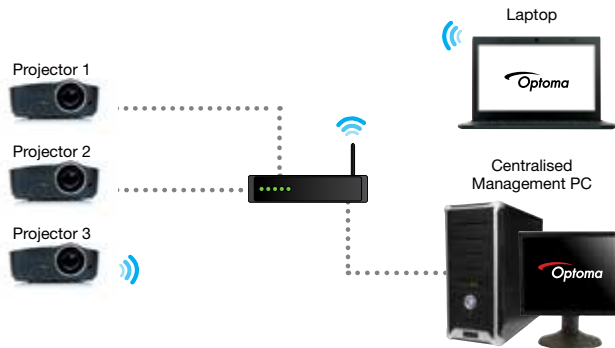

+12V TRIGGER

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 X501.

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

EXTRA FEATURES

Direct & Signal Power ON – Start up time can be significantly reduced if standby mode is bypassed, eliminating the need to use the 'Power' button on the remote control or the projector keypad.

Direct Power ON switches the projector on when the power cable is inserted into an active power outlet.

Signal Power On switches the projector on when an active VGA source is connected to the unit.

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

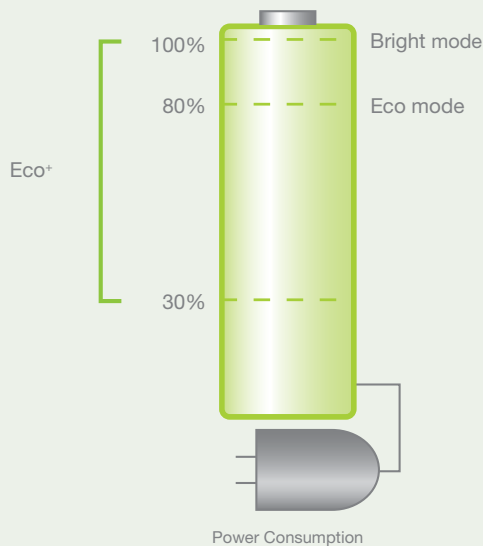Easy to use remote with laser pointer, mouse control and direct source selection

GREEN SOLUTIONS

ECO+ TECHNOLOGY FROM OPTOMA INCREASES OUR COMMITMENT TO REDUCING THE IMPACT WE ALL MAKE ON THE ENVIRONMENT

ECO+ MODE

Saving energy, saves money! Eco+ technology reduces the power consumption to as little as 30%. This intelligent feature also has a positive effect on the lamp life, increasing it up to 70% while lowering the total cost of ownership and reducing maintenance*.

100%   Bright mode

80%   Eco mode

Eco+

30%

Power Consumption

Dynamically adjusts the brightness and power consumption

Bright scene
~100% Power consumption

Dark scene
~ 30% Power consumption

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.

ECO AV MUTE

Stay in control of your presentation with the Eco AV mute feature. Direct your audience's attention away from the screen by blanking the image when no longer needed. This also instantly reduces the power consumption to 30%, further prolonging the life of your lamp.

Eco AV mute off
100% Power consumption

Eco AV mute on
30% Power consumption

ENVIRONMENTALLY FRIENDLY

To achieve the maximum lamp life, the projector should be operating in Eco+ mode and the auto power off feature should be enabled to automatically switch off the projector if it is accidentally left on. Enabling the <0.5W standby mode ensures the minimum energy consumption when the projector is not switched on.

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.
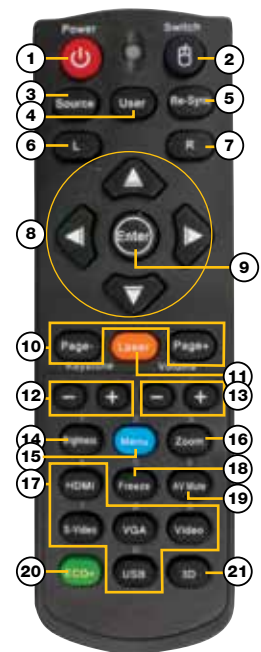
EASY TO USE REMOTE CONTROL

X501 SPECIFICATIONS

Native Resolution	XGA (1024 x 768)
Display Technology	0.55" XGA, DC3 chip DLP® Technology by Texas Instruments
Brightness - BRIGHT mode[1]	4500 ANSI Lumens
Contrast	15,000:1
Noise Level	27dB (Eco+ mode min)
Lamp Life[2]	4000 hr Eco+ Mode / 2500 hr Bright Mode
Projection Lens	Throw Ratio 1.39~2.26:1 Focus / Zoom Type Manual Focus / 1.6x Manual Zoom F Number 2.58 ~ 3.4 Focal length 15.94~25.5 mm
Projection Distance	1.2 - 10m
Image Size	0.76 - 7.62m (30" - 300") Diagonal 16:10
Offset	115%
Weight / Dimensions (W x D x H)	4.5Kg / 386 x 280 x 162mm (inc. feet)
INPUTS	HDMI (1.4a 3D support) DVI-D (HDCP supported) 2 x VGA (15 pin D-Sub) S-Video (4 pin Mini DIN) Composite (RCA) USB-B (Display) 2x USB-A (Reader / WiFi) 3x Audio In (3.5mm jack / RCA)
CONTROL	RJ45 (Crestron/Extron/PJ-Link/Telnet) [Operation during standby mode - ECO standby must be set to off]
OUTPUT	VGA Out (PC monitor loop-through) +12V trigger (3.5mm jack) Audio Out (3.5mm jack) USB (Remote Mouse)
Audio	30W (2 x 15W)
Aspect Ratio	4:3 Native, 16:9 / 16:10 Compatible
Keystone Correction	Vertical ±40°
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
2D Video Compatibility	PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p
3D Video Compatibility	Mandatory HDMI 1.4 3D formats, 120Hz frame sequential (up to 720p)
3D Viewing	Requires Optoma DLP® Link™ active shutter glasses – sold separately
Uniformity	85%
Displayable Colours	1.07 Billion
Horizontal Scan Rate	15 - 91kHz
Vertical Scan Rate	24 - 120Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	345W Bright mode, 279W Eco mode <0.5W standby mode 325W ECO mode <0.5W Standby mode
Security	Kensington Lock Port, Password Protection, Keypad Lock, Security Bar
Standard Accessories	AC power cord, VGA cable, Infra-red remote control, Batteries x 2, Quick start card, WEEE card, Warranty card
RoHS	Compliant
Lamp Warranty	6 months or 1000 hours - whichever comes sooner
Warranty	Warranty may vary by country. Please see www.optoma.com or ask your local supplier for details
Colour Guarantee[3]	5 Years

X501 Remote Control
1. Power
2. Remote Mouse (On/Off)
3. Source
4. User assignable
5. Re-sync
6. Remote Mouse (Left click)
7. Remote Mouse (Right click)
8. Up/Down/Left/Right
9. Enter
10. Remote Mouse (Page +/-)
11. Laser
12. Keystone
13. Volume
14. Brightness
15. Menu
16. Zoom
17. Direct source selection
18. Freeze
19. AV Mute
20. Eco+
21. 3D

X501 Connections
22. RS-232C
23. VGA Out
24. S-Video
25. USB-B (Mouse)
26. HDMI (1.4 3D supported)
27. DVI-D
28. USB-B (Display)
29. RJ-45
30. USB-A (Reader)
31. Video
32. VGA 1
33. VGA 2
34. Audio In (S-Video / Video)
35. Audio In (VGA 1)
36. Audio In (VGA 2)
37. Audio Out
38. Microphone In
39. +12V Trigger
40. Kensington™ Lock

Exceptional Connectivity/Multiple Terminals

X501 Throw Distance

Image diagonal (inch)	Image width (m)	Image height (m)	min throw distance (m)	max throw distance (m)
50	1.02	0.76	1.41	2.30
60	1.22	0.91	1.69	2.76
70	1.42	1.07	1.98	3.21
80	1.63	1.22	2.26	3.67
100	2.03	1.52	2.82	4.59
120	2.44	1.83	3.39	5.51
200	4.06	3.05	5.65	9.18
250	5.08	3.81	7.06	11.48
300	6.10	4.57	8.47	13.78

For guide purposes only

X501 is capable of 16:9 / 16:10 aspect ratio projection. When projecting a 16:9/16:10 image the image sizes, screen height and offset information will differ.

PICTURE BY DLP
TEXAS INSTRUMENTS