

EX540 DLP® Projector

High Performance
projector for Education
or Business presenting

-  Bright projection – 2500 ANSI Lumens
-  XGA resolution, 2500:1 contrast ratio for sharp, detailed presentations and graphics
-  Digital and Analogue connectivity includes: HDMI, dual VGA
-  10W speaker – all-in-one multimedia set-up
-  Low ownership costs – up to 5000hrs lamp life
-  Cable free presentations with wireless convenience
-  Networking – RJ45 control and monitoring
-  Environmentally friendly design <1W standby mode
-  Portable – carry bag provided for easy transportation
-  DLP® filter-free design – Virtually no maintenance



Projection Made Easy

Ideal for your classroom or meeting room, the EX540 projects clear, bright images with superb colours using DLP® and BrilliantColor™ technologies. Easy to operate and reliable, the EX540 incorporates a range of energy saving and security features.

Installed or on the move, the versatile EX540 incorporates advanced network & optional wireless capabilities, extensive connectivity and a powerful 10W stereo speaker.

The environmentally friendly EX540 has energy saving features including <1W standby mode and auto power off, saving you both time and money. Long lamp-life of 5000hrs combined with our unique Optoma Colour and Imager guarantees ensure hassle-free, long-lasting projection.

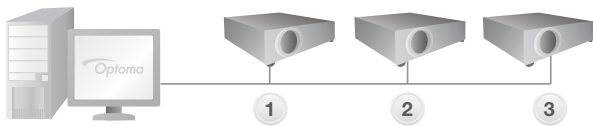
PROJECTOR CONTROL AND MANAGEMENT

Networking

Projectors can be controlled and monitored over a network (LAN) using a web browser.

- Manage up to 99 projectors at the same time (via master PC)
- Control and alter the projector settings using a simple web browser page
- Instant onscreen display of messages to all projectors
- Set up email alerts for warning messages

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



Control

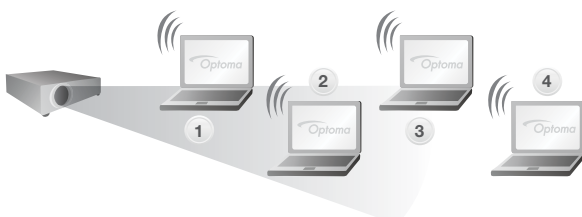
The extensive RS232 command set makes it simple and easy to control the EX540 with any control system.



AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EX540. This feature allows for easy installation with AMX control systems.

Wireless Presenting

Making presentations couldn't be easier using the optional wireless features of the EX540. Cable free presenting saves time and facilitates effortless switching between presentations from different sources. Simply download the software and start presenting instantly.



EXTENSIVE CONNECTIVITY

This native XGA projector accepts a wide variety of computer and video input signals.

Connectivity includes: HDMI, dual VGA–Wireless/SCART/Component, S-Video, Composite, VGA-Out, RS232 and RJ45.

Three audio inputs for individual PC and video connections enable the EX540 to function as an audio switcher and volume controller, thereby eliminating complicated and costly additional audio hardware and cabling.

AUDIO CAPABILITY

Built-in 10W speaker offers excellent audio support. The EX540 is easy to set up without the need for costly external speakers.



CLEAR, FOCUSED IMAGES

Technology from Texas Instruments produces a stunning 2500:1 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.



1000:1 contrast ratio

2500:1 contrast ratio

*Simulated Image

AMAZING COLOURS

The EX540 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Preset display modes allow you to achieve a perfect image on a variety of surfaces including screens and interactive whiteboards

COLOUR PERFORMANCE

Optoma guarantees colour quality will remain as new for 5 years*

Once you've purchased the EX540, Optoma guarantees that the colours will not fade for a minimum of 5 years..



MAINTENANCE FREE = LOWER TOTAL COST OF OWNERSHIP (TCO)

DLP® technology ensures lower cost of ownership, longer life and improved reliability compared to other technologies.

The filter-free projector design means no more regular filter cleaning or replacements, saving you time and money.



ENVIRONMENTALLY FRIENDLY

The EX540 incorporates energy saving features to conserve power and extend the lamp life:



The timer control functions can automatically switch the projector off to standby mode <1W, conserving power and extending the lamp life to an astonishing 5000hrs**.



It takes less than 10 seconds for the projector to power up and shutdown, so the EX540 not only saves time but energy too.

FEATURES

- 6 preset display modes
- Security bar and password protection for added security
- Easy to use remote with laser pointer, mouse control and direct source selecting
- Direct power on
- Customised start-up logo



Enjoy big bright pictures in the office, classroom day or night

EX540 SPECIFICATIONS

Native Resolution	XGA 1024 x 768
Compressed Resolution	UXGA (1600 x 1200)
Brightness - BRIGHT mode	2500 ANSI Lumens
Contrast	2500:1
Noise Level	27dB
Lamp Life**	5000/4000 (STD/BRIGHT mode)
Projection Lens	F/2.41~2.66; f=18.2~21.8mm, 1.2x Manual Zoom
Throw Ratio	1.6 - 1.92:1 (Projection Distance:Image Width)
Projection Distance	1.2 - 12m
Image Size	0.78 - 9.38m (30.79" - 369.43") Diagonal 4:3
Display Technology	Single 0.55" XGA DMD chip DLP® Technology by Texas Instruments
Weight / Dimensions (W x D x H)	2.9 kg / 324 x 234 x 97mm
Remote Control	Full function remote with laser pointer, mouse control and direct source selecting
INPUTS	HDMI (HDCP) - audio supported 2 x 15 Pin D-Sub VGA (Wireless/SCART/Component via adaptor) S-Video 4 Pin Mini Din Composite RCA 3 x 3.5mm Audio Mini Jack (Selectable via OSD) USB (remote mouse)
CONTROL	RS232 - 9 Pin D-sub RJ45
OUTPUT	15 Pin D-Sub VGA 3.5mm Audio Mini Jack
Audio	10W Speaker
Aspect Ratio	4:3 Native, 16:9 Compatible
Keystone Correction	± 40° Vertical
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian, Danish, Hungarian, Czech, Turkish, Farsi & Arabic
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 - 85Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	232W BRIGHT mode < 1W Standby mode 212W STD mode < 1W Standby mode
Operating Conditions	Operating: 5 - 40°C, 85% Humidity (Max), 3000m Altitude (Max)
Security	Security Bar, Kensington Lock Port, Password Protection
Standard Accessories	Soft Carry Bag, Lens Cover, AC Power Cord, VGA Cable, USB cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty Card, WEEE Card
Optional Accessories	Wireless Dongle, SCART & Component adaptor, Ceiling Mount
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*	5 Years

EASY TO USE REMOTE CONTROL

EX540 Remote Control

- 1 Laser
- 2 Remote Mouse
- 3 Page Up/Down Control
- 4 Vertical Keystone Correction
- 5 Volume Control
- 6 Brightness Adjustment
- 7 AV Mute
- 8 Direct Input Source Selection



EX540 Connections

- 9 RJ45
- 10 USB (Remote Mouse)
- 11 HDMI (audio supported)
- 12 VGA 1- Wireless & Component
- 13 VGA Out
- 14 S-Video
- 15 Composite Video
- 16 Audio Out
- 17 VGA 2 - SCART & Component
- 18 RS232 - 9 Pin
- 19 Audio In (S-Video & Composite)
- 20 Audio In (VGA 1)
- 21 Audio In (VGA 2)
- 22 Kensington™ Lock
- 23 Security Bar

Exceptional Connectivity / Multiple Terminals



Easy to use remote with buttons to change the input sources



EX540 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	0.75	0.63	0.56	0.47	0.94	36.94	0.08
2.00	1.25	1.04	0.94	0.78	1.56	61.57	0.14
2.50	1.56	1.30	1.17	0.98	1.95	76.96	0.18
3.00	1.88	1.56	1.41	1.17	2.35	92.36	0.21
4.00	2.50	2.08	1.88	1.57	3.13	123.14	0.28
5.00	3.13	2.60	2.35	1.96	3.91	153.93	0.35
6.00	3.75	3.13	2.82	2.35	4.69	184.71	0.42
7.00	4.38	3.65	3.29	2.74	5.47	215.50	0.49
8.00	5.00	4.17	3.76	3.13	6.26	246.29	0.56
9.00	5.63	4.69	4.23	3.52	7.04	277.07	0.63
10.00	6.25	5.21	4.70	3.92	7.82	307.86	0.70
11.00	6.88	5.73	5.17	4.31	8.60	338.64	0.78
12.00	7.50	6.25	5.64	4.70	9.38	369.43	0.85

For guide purposes only

EX540 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.