

## 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.

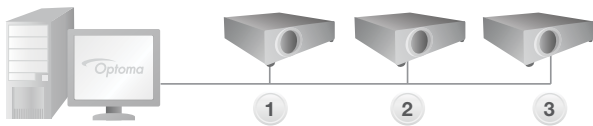
### PROJECTOR CONTROL AND MANAGEMENT

#### 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

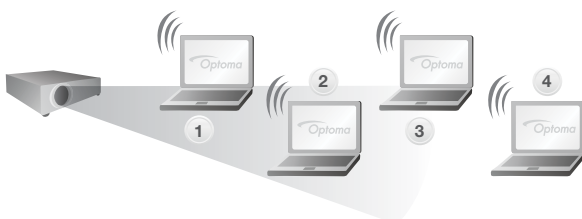
The extensive RS232 command set makes it simple and easy to control the EX540 with any control system.



**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<br>2 x 15 Pin D-Sub VGA (Wireless/SCART/Component via adaptor)<br>S-Video 4 Pin Mini Din<br>Composite RCA<br>3 x 3.5mm Audio Mini Jack (Selectable via OSD)<br>USB (remote mouse) |
| CONTROL                         | RS232 - 9 Pin D-sub<br>RJ45   |
| OUTPUT                          | 15 Pin D-Sub VGA<br>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<br>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.<br>Please see <a href="http://www.optomaeurope.com">www.optomaeurope.com</a> 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 sizes, screen height and offset information will differ from the above.

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**Panoview**  
Optoma recommended Screens  
[www.panoview.eu](http://www.panoview.eu)



\*Optoma guarantees that in normal use, Optoma DLP® colour 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. Copyright © 2009, Optoma Europe Ltd. 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.