

## EX538 DLP® Projector

# Making projection come alive

- Bright projection – 3000 ANSI Lumens
- XGA resolution, 3000:1 contrast ratio for sharp, detailed presentations and graphics
- Energy saving <1W standby mode
- Security bar and password protection for added security
- RS232 for meeting room control systems
- Low ownership costs – up to 6000hrs lamp life
- Portable – carry bag provided for easy transportation
- DLP® filter-free design – Virtually no maintenance



## Bright, mobile projection

EX538 delivers bright 3000L, high contrast presentations and images with crystal clarity perfect of office and school environments. Vibrant, life-like colours using BrilliantColor™ technology will ensure your audience is left speechless every time the EX538 is turned on.

The environmentally friendly EX538 has energy saving features including less than 1W standby mode and auto power off, saving you both time and money. Long lamp-life of 6000hrs combined with our unique Optoma Colour guarantee ensures hassle-free, long-lasting projection.

### 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.



1000:1 contrast ratio

3000:1 contrast ratio

\*Simulated Image

### AMAZING COLOURS

The EX538 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 GUARANTEE

We are so confident that the DX329 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.



Interact with your students  
in the classroom

### 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.



## TIME AND ENERGY SAVINGS

The EX538 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 <math>< 1W</math>, conserving power and extending the lamp life to an astonishing 6000 hours\*\*.



It takes less than 10 seconds for the projector to power up and shutdown, so the EX538 not only saves time but energy too.

## CONTROL

The extensive RS232 command set makes it simple and easy to control the EX538 with any control system.



AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EX538. This feature allows for easy installation with AMX control systems.

## SMOOTH, SEAMLESS PROJECTION

Even in the fastest moving scenes, the EX538 will project a smooth and seamless image. The rapid response of DLP® technology ensures that the projected movie or video game remains perfect and precise.



With



Without

## FEATURES

- 6 preset display modes
- Quick keystone correction
- Password protection for added security
- Easy to use remote with direct source control



Enjoy big colourful presentations  
with the lights on

## EX538 SPECIFICATIONS

|                                 |   |
|---------------------------------|---|
| Native Resolution               | XGA 1024 x 768  |
| Compressed Resolution           | UXGA (1600 x 1200)  |
| Brightness                      | 3000 ANSI Lumens (BRIGHT mode)  |
| Contrast                        | 3000:1  |
| Noise Level                     | 28dB ECO mode   |
| Lamp Life**                     | 6000/3000 (ECO/BRIGHT mode)   |
| Projection Lens                 | F/2.41~2.55; f=21.8~24mm, 1.1x Manual Zoom  |
| Throw Ratio                     | 1.95 - 2.15:1 (Projection Distance:Image Width)   |
| Projection Distance             | 1.2 - 12m   |
| Image Size                      | 0.70 – 7.70m (27.49" - 303.12") Diagonal 4:3  |
| Display Technology              | Single 0.55" XGA DC3 DMD chip DLP® Technology by Texas Instruments  |
| Weight / Dimensions (W x D x H) | 2.3 kg / 286 x 192 x 84mm   |
| Remote Control                  | Full function remote with direct source selecting   |
| INPUTS                          | 2 x 15 Pin D-Sub VGA (SCART & Component via adaptor)<br>S-Video 4 Pin Mini Din<br>Composite RCA<br>3.5mm Audio Mini Jack  |
| CONTROL                         | RS232 - 3 Pin D-sub   |
| OUTPUT                          | 15 Pin D-Sub VGA<br>Stereo Audio Mini Jack  |
| Audio                           | 2W Speaker  |
| 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 |
| Video Compatibility             | PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p  |
| Uniformity                      | 85%   |
| Displayable Colours             | 1.07 Billion  |
| Horizontal Scan Rate            | 15.3 - 91.1kHz  |
| Vertical Scan Rate              | 24 - 85Hz   |
| Power Supply                    | 100 - 240V, 50 - 60Hz   |
| Power Consumption               | 233W BRIGHT mode < 1W Standby mode<br>207W ECO mode < 1W Standby mode   |
| Operating Conditions            | Operating: 5 - 40°C, 85% Humidity (Max),<br>3000m Altitude (Max)  |
| Security                        | Kensington Lock Port, Password Protection   |
| Standard Accessories            | Soft Carry Bag, 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.<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

### EX538 Remote Control

- 1 Vertical Keystone Correction
- 2 Volume Control
- 3 Brightness Adjustment
- 4 Contrast Adjustment
- 5 AV Mute
- 6 Direct Input Source Selection



### EX538 Connections

- 7 VGA 2
- 8 VGA 1 - SCART & Component
- 9 S-Video
- 10 Composite Video
- 11 RS232 - 3 Pin
- 12 VGA Out
- 13 Audio Out
- 14 Audio In
- 15 Kensington™ Lock

## Exceptional Connectivity/ Multiple Terminals



Easy to use remote with buttons to change the input sources



| EX538 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   | 0.62                           | 0.56                           | 0.46                         | 0.42                         | 0.77                        | 30.31                          | 0.07                  |
| 2.00   | 1.03                           | 0.93                           | 0.77                         | 0.70                         | 1.28                        | 50.52                          | 0.12                  |
| 2.50   | 1.28                           | 1.16                           | 0.96                         | 0.87                         | 1.60                        | 63.15                          | 0.14                  |
| 3.00   | 1.54                           | 1.40                           | 1.16                         | 1.05                         | 1.92                        | 75.78                          | 0.17                  |
| 4.00   | 2.05                           | 1.86                           | 1.54                         | 1.40                         | 2.57                        | 101.04                         | 0.23                  |
| 5.00   | 2.56                           | 2.33                           | 1.93                         | 1.75                         | 3.21                        | 126.30                         | 0.29                  |
| 6.00   | 3.08                           | 2.79                           | 2.31                         | 2.10                         | 3.85                        | 151.56                         | 0.35                  |
| 7.00   | 3.59                           | 3.26                           | 2.70                         | 2.45                         | 4.49                        | 176.82                         | 0.40                  |
| 8.00   | 4.10                           | 3.72                           | 3.08                         | 2.80                         | 5.13                        | 202.08                         | 0.46                  |
| 9.00   | 4.62                           | 4.19                           | 3.47                         | 3.15                         | 5.77                        | 227.34                         | 0.52                  |
| 10.00  | 5.13                           | 4.65                           | 3.86                         | 3.50                         | 6.42                        | 252.60                         | 0.58                  |
| 11.00  | 5.64                           | 5.12                           | 4.24                         | 3.85                         | 7.06                        | 277.86                         | 0.64                  |
| 12.00  | 6.15                           | 5.58                           | 4.63                         | 4.20                         | 7.70                        | 303.12                         | 0.69                  |

For guide purposes only

EX538 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.

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\*Brightness and lamp lifetime will vary depending on selected projector mode, environmental conditions and usage. As is common with all lamp based projectors, brightness will decrease over the lamp lifetime. \*\*Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. †Optoma guarantees that in normal use, Optoma DLP® colour quality will be indistinguishable from when new. Exclusions: (a) Guarantee is voided if the projector is subject to damage through misuse. (b) Guarantee may be void in industrial or commercial entertainment environments where dust or smoke is excessive (c) Guarantee will not apply if lamp brightness is below 50% due to wear or if the projector is not working due to other faults. (d) Over time worn lamps within all projector types will show a slight colour variance. Copyright © 2011, Optoma Europe Ltd. All other product names and company names used herein are for identification 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. All images of products are for representation purposes only. Whilst every care is taken to provide accurate images of our products, actual products may differ slightly. Some product images may have been digitally altered by us to add an Optoma logo to the front panel. Optoma reserves the right to amend or alter actual product or product images without notice. Some images may be simulated.