









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 and Imager guarantees ensure 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 AND IMAGE PERFORMANCE

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

Once you've purchased the EX538, Optoma guarantees that the colours will not fade and the image performance will not degrade for a minimum of 5 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.



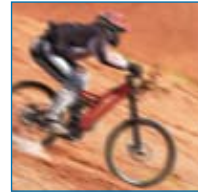
AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EX538. This feature allows for easy installation with AMX control systems.

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) S-Video 4 Pin Mini Din Composite RCA 3.5mm Audio Mini Jack |
| CONTROL | RS232 - 3 Pin D-sub |
| OUTPUT | 15 Pin D-Sub VGA 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 207W ECO mode < 1W Standby mode |
| Operating Conditions | Operating: 5 - 40°C, 85% Humidity (Max), 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. Please see www.optomaeurope.com or ask your local supplier for details |
| Colour Guarantee* | 5 Years |
| Imager 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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*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. ***Optoma guarantees that in normal use, the DLP® imager guarantee will retain quality for at least 5 years providing consistent pixel performance. 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. Copyright © 2010, 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.