# ES556
DLP® Projector

# Mobile, Eco+ Green Projection

- Up to 6500h increased lamp life + 70% energy saving
- Native SVGA resolution
- 3000L - Project in ambient light
- Detailed images, crisper whites & ultra rich blacks with 13,000:1 contrast
- HDMI – Hassle free one cable connection




BrilliantColor
Colour Guaranteed 5 Years
Project Green
Eco+
3D-XL Ready

# ES556

## Mobile, Eco+ Green Projection

Ideal for use in a meeting room or classroom, the ES556 has a bright 3000L and 13,000:1 contrast allowing you to project bright, crystal clear images with superb colours using DLP® and BrilliantColor™ technologies. Simply connect to your projector via HDMI for a one cable hassle free connection.

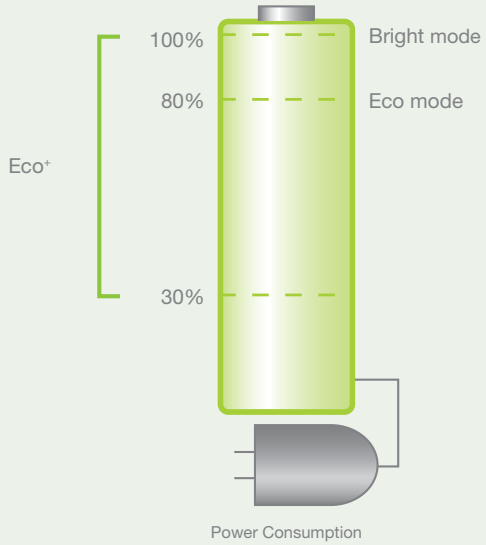
Installed or on the move, the versatile ES556 incorporates a built in speaker, 120Hz 3D Ready technology, optional wireless capabilities and Eco+ technology that brings together superb picture quality and performance with optimized lamp life through energy saving features that are easy to use.

## 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*.




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 6500hrs[2] 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.

# ES556

## BRIGHT, CLEAR, FOCUSED IMAGES

Bright 3000 ANSI Lumens, Perfect for projecting in lights on environments. And with DarkChip3™ technology from Texas Instruments combined with Eco+ technology produces a stunning 13,000:1 contrast ratio for pin sharp graphics and crystal clear text. Crisper whites, ultra-rich blacks make images come alive and text easier to read - ideal for business and education presentations.



2000:1 Contrast Ratio



13,000:1 Contrast Ratio

## 3D TECHNOLOGY

Using the inherent speed of DLP technology, The Optoma ES556 can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D.

3D-XL Ready

Typical applications include use with 3D educational or 3D design and modelling systems. See website for updates.

## WIRELESS PRESENTING (OPTIONAL EXTRA)

Making presentations couldn't be easier using the optional wireless features of the ES556. Using the wireless VGA dongle (Additional power required and sold separately) you can connect and display presentations and video material wirelessly from a laptop, PC or mobile device.

## CONTROL

The extensive RS232 command set makes it simple and easy to control the ES556 with any control system.

AMX Compatibility – Dynamic Discovery Protocol is incorporated into the ES556. This feature allows for easy installation with AMX control systems.

## AUDIO CAPABILITY

Built-in speakers offers excellent audio support. The ES556 is easy to set up without the need for costly external speakers.



## RAPID OFF

It takes less than 10 seconds for the projector to power up and shutdown, saving both time and energy.

## QUICK RESUME

Allows you to saving time by not waiting for the projector to cool down before it can power up again. If the projector is accidentally turned off, this feature allows the projector to be instantly powered on again, if selected within a period of 100 seconds.




## AMAZING COLOURS

The ES556 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

## COLOUR GUARANTEE

We are so confident that the ES556 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.

## FEATURES

- ✓ Top cover lamp replacement
- ✓ Keypad lock
- ✓ Quick keystone correction
- ✓ Password protection for added security
- ✓ USB mouse
- ✓ Carry case



# ES556

## ES556 SPECIFICATIONS

| | |
|---|---|
| Native Resolution | SVGA 800 x 600 |
| Max Supported Resolution | UXGA (1600 x 1200) |
| Brightness - BRIGHT mode[1] | 3000 ANSI Lumens |
| Contrast Ratio | 13,000:1 |
| Noise Level | 28dB (ECO+ mode) |
| Lamp Life[2] | 6500/5000/4500 (Eco+/Eco/Bright mode) |
| Weight / Dimensions (W x D x H) | 2.2 kg / 288 x 220 x 84mm |
| Projection Lens | F/2.41 - 2.55; f=21.8 - 23.98mm, 1.1x Manual Zoom |
| Throw Ratio | 1.95 - 2.15:1 (Projection Distance:Image Width) |
| Projection Distance | 1.2 - 12m |
| Image Size | 0.7 - 7.70m (27.49" - 303.12") Diagonal 4:3 |
| Display Technology | Single 0.55" SVGA DC3 DMD chip DLP® Technology by Texas Instruments |
| Remote Control | Full function remote with mouse controls and direct source selecting |
| Inputs | HDMI<br>2 x 15 Pin D-Sub VGA Component via adaptor<br>S-Video 4 Pin Mini Din<br>Composite RCA<br>3.5mm Audio Mini Jack<br>USB (remote mouse) |
| Control | RS232 - 9 Pin D-sub |
| OUTPUT | 15 Pin D-Sub VGA<br>3.5mm 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 & Farsi |
| Video Compatibility | PAL SECAM 576i/p, NTSC 480i/p, HD 720p/1080i/1080p |
| Uniformity | 85% |
| Displayable Colours | 1.07 Billion |
| Horizontal Scan Rate | 15.4 - 91.1kHz |
| Power Supply | 100 - 240V, 50 - 60Hz |
| Power Consumption | 275W BRIGHT mode < 0.5W Standby mode<br>220W ECO mode < 0.5W Standby mode<br>200W ECO+ mode < 0.5W 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, AC Power Cord, VGA Cable, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty 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[3] | 5 Years |
| 3D Support | 120Hz frame sequential 3D for resolutions up to 720p. 60Hz field sequential 3D for resolutions up to 480i |
| 3D Viewing | Requires Optoma DLP® Link™ active shutter glasses – sold separately |
| 3D Compatibility | The 3D features of Optoma projectors can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling systems. Support for 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 will require the Optoma 3D-XL that is available separately. |

## EASY TO USE REMOTE CONTROL

### ES556 Remote Control

1 Power
2 Mouse select
3 Source
4 Re-sync
5 Left mouse click
6 Right mouse click
7 Mouse control
8 Display mode
9 Page up/down control
10 Vertical keystone correction
11 Volume control
12 Brightness
13 Menu
14 Direct input source select
15 Eco AV mute
16 Eco+
17 3D control




### ES556 Connections

18 USB (Remote mouse)
19 HDMI
20 Video
21 S-Video
22 VGA Out
23 VGA 1
24 RS232
25 Audio In
26 VGA 2
27 KensingtonTM Lock
28 Audio Out

### Exceptional Connectivity / Multiple Terminals




| ES556 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
ES556 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.

**Optoma Europe Ltd.**
42 Caxton Way, Watford Business Park, Watford, Hertfordshire, UK. WD18 8QZ
**www.optoma.eu**

PICTURE BY DLP TEXAS INSTRUMENTS

[1]Depends on projector model and lamp.[1]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. [2]Typical lamp life achieved through testing. Will vary according to operational use and environmental conditions. [3]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 © 2012, 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. Crestron®, the Crestron and RoomView® logo are registered trademarks of Crestron Electronics, Inc. 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.

V2-09/07/12