Optoma

EW556
DLP® Projector

Mobile, Eco⁺ Widescreen Projector

Eco⁺	Up to 6500h increased lamp life + 70% energy saving
16:10 WXGA	Widescreen presentations & HD entertainment
3200 L	3200L - Project in ambient light
13,000:1	Detailed images, crisper whites & ultra rich blacks with 13,000:1 contrast
HDMI	HDMI – Hassle free one cable connection

BrilliantColor · 5 YEARS COLOUR GUARANTEED · Project Green · Eco⁺ · HD Ready · 3D-XL Ready

EW556

Mobile, Eco⁺ Widescreen Projector

The EW556 is an ultra-bright 3200L widescreen HD ready projector, with a 13,000:1 contrast allowing you to project detailed, crystal clear images with superb colour using DLP® and BrilliantColor™ technologies. Perfectly suited for classrooms, meeting rooms and boardrooms with ambient light. Simply connect to your projector via HDMI for a one cable hassle free connection.

Installed or on the move, the versatile EW556 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.
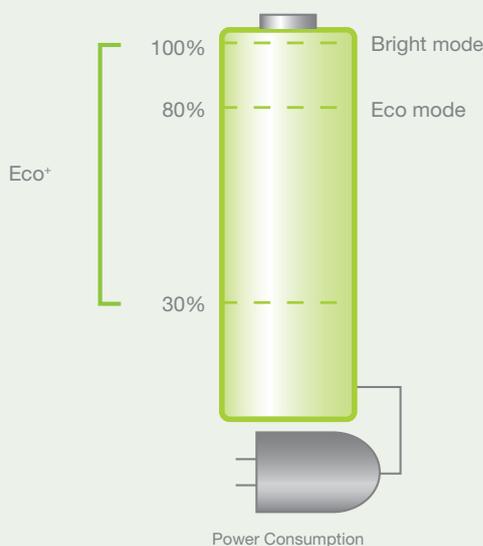
GREEN SOLUTIONS

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*.

100% — Bright mode
80% — Eco mode
Eco⁺
30%

Power Consumption

Dynamically adjusts the brightness and power consumption

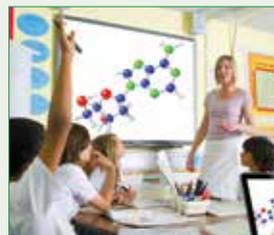Bright scene
~100% Power consumption

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 6500hrs² 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.

Project Green

BRIGHT, CLEAR, FOCUSED IMAGES

Bright 3200 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 EW556 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.

TRUE WXGA RESOLUTION

The EW556 is the perfect companion for widescreen laptops. Your presentations will appear as sharp and detailed as they do on your widescreen laptop in WXGA (1280 x 800). WXGA resolution gives 30% more pixels than XGA.

WIRELESS PRESENTING (OPTIONAL EXTRA)

Making presentations couldn't be easier using the optional wireless features of the EW556. 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 EW556 with any control system.

AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EW556. This feature allows for easy installation with AMX control systems.

AUDIO CAPABILITY

Built-in speakers offers excellent audio support. The EW556 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.

COOLING   ⏻N

Instant ON
(within 100s)

AMAZING COLOURS

The EW556 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

COLOUR GUARANTEE

We are so confident that the EW556 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.

BrilliantColor

COLOUR GUARANTEED
5
YEARS

FEATURES

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

EW556 SPECIFICATIONS

Native Resolution	WXGA 1280 x 800
Max Supported Resolution	UXGA (1600 x 1200)
Brightness - BRIGHT mode[1]	3200 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/2.5 - 2.67; f=21.8 - 23.98mm, 1.1x Manual Zoom
Throw Ratio	1.55 - 1.7:1 (Projection Distance:Image Width)
Projection Distance	1.2 - 12m
Image Size	0.83 - 9.13m (32.77" - 359.44") Diagonal 16:10
Display Technology	Single 0.65" WXGA DC3 DMD chip DLP® Technology by Texas Instruments
Remote Control	Full function remote with, mouse controls and direct source selecting
Inputs	HDMI 2 x 15 Pin D-Sub VGA Component via adaptor S-Video 4 Pin Mini Din Composite RCA 3.5mm Audio Mini Jack USB (remote mouse)
Control	RS232 - 9 Pin D-sub
OUTPUT	15 Pin D-Sub VGA 3.5mm Audio Mini Jack
Audio	2W Speaker
Aspect Ratio	16:10 Native, 16:9/4:3 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 220W ECO mode < 0.5W Standby mode 200W ECO+ mode < 0.5W Standby mode
Operating Conditions	Operating: 5 - 40℃, 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

EW556 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

EW556 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

EW556 Projection Distance 1.2 - 12m (16:10 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	0.77	0.71	0.48	0.44	0.91	35.94	0.06
2.00	1.29	1.18	0.81	0.74	1.52	59.91	0.10
2.50	1.61	1.47	1.01	0.92	1.90	74.88	0.13
3.00	1.94	1.76	1.21	1.10	2.28	89.86	0.15
4.00	2.58	2.35	1.61	1.47	3.04	119.81	0.20
5.00	3.23	2.94	2.02	1.84	3.80	149.76	0.25
6.00	3.87	3.53	2.42	2.21	4.56	179.72	0.30
7.00	4.52	4.12	2.82	2.57	5.33	209.67	0.35
8.00	5.16	4.71	3.23	2.94	6.09	239.62	0.40
9.00	5.81	5.29	3.63	3.31	6.85	269.58	0.45
10.00	6.45	5.88	4.03	3.68	7.61	299.53	0.50
11.00	7.10	6.47	4.44	4.04	8.37	329.48	0.55
12.00	7.74	7.06	4.84	4.41	9.13	359.44	0.60

For guide purposes only

EW556 is capable of 4:3 aspect ratio projection. When projecting a 4:3 image the image sizes, screen height and offset information will differ from the above.