Optoma

EW536
DLP® Projector

Widescreen
digital projection

16:9 Widescreen presentations and HD entertainment

3000:1 contrast ratio for sharp, detailed presentations and graphics

Bright projection – 2800 ANSI Lumens

Digital and Analogue connectivity includes: HDMI, VGA

Environmentally friendly design <1W standby mode

Portable – carry bag provided for easy transportation

Low ownership costs – up to 4000hrs lamp life

Optoma EW536 filter-free design – virtually no maintenance

3D Ready

BrilliantColor

COLOUR GUARANTEED 5 YEARS

HD Ready 720p

EW536

Widescreen projection – perfect partner for widescreen whiteboards

The bright 2800L, EW536 with 120Hz 3D capable technology is ideally partnered with a widescreen notebook and HD sources. Ceiling mounted or mobile this dual-purpose projector multi-tasks in both office, school and home environments.

Environmentally friendly design with energy saving features including <1W standby mode. Long lamp-life of 4000hrs saves you both time and money, combined with our unique Optoma colour guarantee ensures hassle-free, long lasting projection.

[†] 3D TECHNOLOGY

Using the inherent speed of DLP technology, The Optoma EW536 can output video and images at an astonishing rate of 120Hz, allowing you to show full screen, full colour, stereoscopic 3D. The 3D effect is generated by splitting this signal into two standard video streams, one for each eye. Using DLP® Link™ technology, the 3D glasses synchronise with the image on screen to filter each stream to the correct eye. Your brain then combines the two streams to make them jump into life.

The 3D features of the EW536 can only be used with compatible 3D content. Typical applications include use with 3D educational or 3D design and modelling software. Currently the EW536 does not support 3D TV broadcast systems, SKY in the UK or 3D Blu-ray, though support for these applications may be added in future using additional hardware.

3D Ready

3D-XL Ready

TRUE WXGA RESOLUTION

The EW536 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.

XGA   WXGA

CONTROL

The extensive RS232 command set makes it simple and easy to control the EW536 with any control system.

AMX Compatibility – Dynamic Discovery Protocol is incorporated into the EW536. This feature allows for easy installation with AMX control systems.

TRUE HDMI

Project crystal clear images using the latest HDMI v1.3 input.

Hassle-free projection from a widescreen computer/HD source with a single HDMI cable – no need for separate audio cables.

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.

easier to read

1000:1 contrast ratio   3000:1 contrast ratio

‡Simulated Image

AMAZING COLOURS

The EW536 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 EW536 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.

VIRTUALLY MAINTENANCE FREE = LOWER TOTAL COST OF OWNERSHIP (TCO)

EW536 provides lower cost of ownership, longer life and improved reliability. The filter-free projector design does not require regular filter cleaning or filter replacement, saving you time and money.

ENVIRONMENTALLY FRIENDLY

The EW536 incorporates energy saving features to conserve power and extend the lamp life:

To achieve the maximum 4000hrs** lamp life time the projector should be operating in STD mode and the shut down timer should be enabled to automatically switch off the projector if it is accidentally left on when no longer required. Enabling the <1W Standby mode will ensure the minimum energy consumption when the projector is not being used.

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

FEATURES

- 6 preset display modes
- Classroom mode - 1500 ANSI Lumens
- Quick keystone correction
- Security bar and password protection for added security
- Easy to use remote with direct source control

EW536 SPECIFICATIONS

Native Resolution	WXGA 1280 x 800
Compressed Resolution	up to UXGA (1600 x 1200)
Brightness	2800/2300 Lumens (BRIGHT/STD mode)
Contrast	3000.1
Noise Level	28dB
Lamp Life**	4000/3000 (STD/BRIGHT mode)
Projection Lens	F/2.5 ~ 2.67, f=21.86 ~ 24.0mm, 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
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	HDMI (HDCP) - audio supported (DVI-D via adaptor) 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 Mini DIN
OUTPUTS	15 Pin D-Sub VGA (monitor loop-through) 3.5mm Audio Mini Jack
Audio	1 x 2W Speaker
Aspect Ratio	16:10 Native, 4:3 & 16:9 Compatible
Keystone Correction	± 40˚ Vertical
On Screen Display	18 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, 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	16.7 Million
Horizontal Scan Rate	15.3 – 91.1kHz
Vertical Scan Rate	24 – 120Hz
Power Supply	100 - 240V, 50 - 60Hz
Power Consumption	233W BRIGHT mode < 1W Standby mode 207W STD mode < 1W Standby mode
Operating Conditions	Operating: 5 - 35˚C, 85% Humidity (Max), 3000m Altitude (Max)
Security	One Kensington Lock Port, Password Protection
Standard Accessories	Lens Cover, AC Power Cord, VGA Cable, Carry Bag, Full Function Remote, Batteries x 2, Quick Start Guide, CD User Manual, Warranty, 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
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

EASY TO USE REMOTE CONTROL

EW536 Remote Control
1 Vertical Keystone Correction
2 Volume Control
3 Brightness Adjustment
4 AV Mute
5 Direct Input Source Selection

EW536 Connections
6 VGA In - SCART & Component
7 VGA Out
8 HDMI (audio supported)
9 S-Video
10 Composite Video
11 RS232 - 3 Pin
12 Audio In
13 Audio Out
14 Security Bar
15 Kensington™ Lock

Exceptional Connectivity/ Multiple Terminals

Easy to use remote with buttons to change the input sources

EW536 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
EW536 is capable of 4:3 and 16:9 aspect ratio projection. When projecting a 4:3/16:9 image the image sizes, screen height and offset information will differ from the above.

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