Optoma

W290

Widescreen Viewing

- Bright projection – 2800 ANSI Lumens

- WXGA resolution, 13,000:1 contrast ratio

- Low ownership costs - up to 6500 hrs lamp life

- Lightweight and portable, carry bag included

W290

Widescreen Viewing

Ideal for use in a meeting room or classroom, the small and stylish W290 has a bright 2800L which allows you to project bright, crystal clear widescreen images in ambient light. Installed or on the move with the included carry bag the versatile W290 incorporates HDMI, built in speaker and Full 3D technology.

Using the latest DLP® and BrilliantColor™ technology the W290 produces a 13,000:1 contrast allowing you to present picture presentations and videos with superb colours. An incredible lamp life of up to 6500 hours combined with Eco+ technology provides energy and money saving features for hassle-free, long lasting projection.
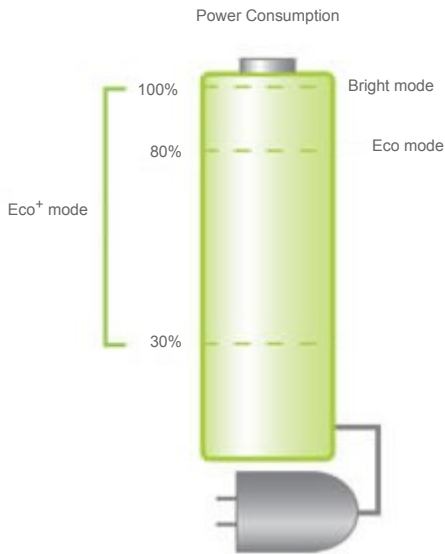
Green Solutions

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.

Power Consumption

100% — Bright mode

80% — Eco mode

Eco+ mode

30%

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.

Bright, Clear, Focused Images

Bright 2800 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

Colour Guarantee

We are so confident that the W290 image colour quality will remain as good as the day you bought it that Optoma will guarantee it for five years.

Amazing Colours

The W290 incorporates BrilliantColor™ technology to produce stunningly bright images with perfectly balanced life-like colours.

Control

The extensive RS232 command set makes it simple and easy to control the W290 with any control system.

AMX Compatibility - Dynamic Discovery Protocol is incorporated into the W290. This feature allows for easy installation with AMX control systems.

Full 3D

Using the inherent speed of DLP technology, The Optoma W290 Full 3D projector can display true 3D content form almost any 3D display device, including 3D Blu-ray, PS3, Xbox and Sky3D.

Audio Performance

Built-in 2W speaker offers excellent audio support. The W290 is easy to set up without the need for costly external speakers

Quick Resume

Save 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   **On**

instant on (within 100s)

Rapid Off

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

Wireless Presenting (optional extra)

Making presentations couldn't be easier using the optional wireless features of the W290. Using the Wireless Adapter you can connect and display presentations and video material wirelessly from a laptop, PC or mobile device. (Additional power required)

W290 Specification

Display Technology	Single 0.65" WXGA DC3 DMD chip DLP® Technology by Texas Instruments
Native Resolution	WXGA 1280 x 800
Brightness[1] (Bright Mode)	2800 ANSI Lumens
Contrast	13,000:1
Noise Level (Eco mode)	28dB
Weight (kg)	2.2
I/O Connectors	HDMI (1.4a 3D support), VGA (RGB/YPbPr/SCART), S-Video, Composite, Audio In 3.5mm, Audio Out 3.5mm, VGA Out, RS232
Preset Mode	PC: For computer or notebook (Brightest image) Movie: Maximum contrast and Colour accuracy Game: Bright vivid colour sRGB: For Standard PC Colour (Best Colour Reproductiion) User: Memorises user's settings
Maximum Resolution	UXGA 1600 x 1200
Computer Compatibility	UXGA, SXGA, XGA, SVGA, VGA, Mac
Video Compatibility	PAL (B, D, G, H, I, M, N, 576i/p), NTSC (M, 4.43/3.58 MHz, 480i/p), SECAM (B, D, G, K, K1, L) HD (1080i, 720p)
Displayable Colours	1.07 Billion
Projection Lens	F/2.5~2.67; f=21.8~23.98mm, 1.1x Manual Zoom
Throw Ratio	1.55 - 1.7:1
Projection Screen Size	0.69 – 7.65m (27.2" - 301") Diagonal 16:10
Projection Distance	1.2 - 12m
Zoom Type	1.1x Manual
Aspect Ratio	16:10 Native, 16:9/4:3 Compatible
Offset	115%
Horizontal Scan Rate	15.3 - 91.1kHz
Vertical Scan Rate	24 - 85Hz
Lamp Type	190W
Lamp Life[2] (hrs) (Eco mode)	6500
Keystone Correction	± 40° Vertical
Dimensions (W x D x H)	286 x 192 x 84
Remote Control	Full function remote with direct source selecting
Power Supply	100-240V, 50-60Hz
Power Consumption	233W BRIGHT mode < 0.5W Standby mode, 207W ECO mode < 0.5W Standby mode
Operating Conditions	5°C - 40°C, Max. Humidity 85%, Max. Altitude 3000m
Uniformity	80%
Security	Kensington Lock, Password Protection
Standard Accessories	Carry Bag, AC Power Cord, VGA Cable, Infra Red Remote Control with Batteries, Quick Start Card, CD User Manual, Warranty Card
Optional Accessories	Ceiling Mount Kit
RoHS	Compliant
3D Support	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. 3D TV broadcast systems, (SKY in the UK), Blu-ray 3D™ and 3D games from the Sony® PS3 or Microsoft® Xbox 360 are now supported as part of the HDMI v1.4a specification.
3D Viewing	Requires Optoma ZD301 DLP® LinkTM active shutter glasses – sold separately
3D Compatibility	Side-by-Side:1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Speaker (Watts)	2
On Screen Display	19 Languages: English, German, French, Italian, Spanish, Portuguese, Polish, Dutch, Russian, Finnish, Swedish, Greek, Norwegian/Danish, Hungarian, Cze
Optional Wireless	Yes
Features	Eco+

Easy to use remote control

W290 Remote Control

1. Power
2. Mouse select
3. Source
4. Re-sync
5. Left mouse click
6. Right mouse click
7. Mouse control
8. 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

W290 Connections

18. HDMI
19. VGA In
20. S-Video
21. Composite Video
22. RS232
23. VGA Out
24. Audio In
25. Audio Out
26. Kensington™ Lock

W290 Projection Distance 1.2 - 12m (16:10 Aspect Ratio)								
Projection Distance (m)	Max. Horizontal Image Size (m)	Min. Horizontal Image Size (m)	Max. Screen Height (m) 16:10	Min. Screen Height (m) 16:10	Min Diagonal Image Size (m) 16:10	Max Diagonal Image Size (m) 16:10	Min Diagonal Image Size (inch) 16:10	Max Diagonal Image Size (inch) 16:10
1.20	0.77	0.71	0.48	0.44	0.83	0.91	32.77	35.94
2.00	1.29	1.18	0.81	0.74	1.39	1.52	52.62	59.91
2.50	1.61	1.47	1.01	0.92	1.73	1.90	68.28	74.88
3.00	1.94	1.76	1.21	1.10	2.08	2.28	81.93	89.86
4.00	2.58	2.35	1.61	1.47	2.77	3.04	109.81	119.81
5.00	3.23	2.94	2.02	1.84	3.47	3.80	136.55	149.76
6.00	3.87	3.53	2.42	2.21	4.16	4.56	163.86	179.72
7.00	4.52	4.12	2.82	2.57	4.86	5.33	191.17	209.67
8.00	5.16	4.71	3.23	2.94	5.55	6.09	218.48	239.62
9.00	5.81	5.29	3.63	3.31	6.24	6.85	245.79	269.58
10.00	6.45	5.88	4.03	3.68	6.94	7.61	273.10	299.53
11.00	7.10	6.47	4.44	4.04	7.63	8.37	300.41	329.48
12.00	7.74	7.06	4.84	4.41	8.32	9.13	327.72	359.44

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