





MULTIMEDIA PROJECTOR W312



PERFECT BALANCE OF POWER AND CONNECTIVITY



-  **3200 lumens bright with 20,000:1 for engaging presentations**
-  **Flexible Digital and Analog connectivity.**
-  **Full 3D compatibility; Captivate your audience with immersive 3D presentations**
-  **Up to 10,000 hours of lamp life for minimal cost of operation**



The Optoma W312 provides the perfect balance of power and connectivity to bring WXGA resolution widescreen projection to conference rooms, training rooms, classrooms and houses of worship.

With its powerful 3200 lumens and 20,000:1 contrast ratio, the Optoma W312 delivers larger-than-life engaging presentations with superior image clarity, easy-to read text and graphics and vibrant, accurate colors.

The Optoma W312 provides flexible analog and digital connectivity for maximum compatibility with all your sources, includes HDMI v1.4a with Full 3D capability, VGA-in, Audio-in, Audio-out, Mini USB type-B, 1.1x zoom lens, 2W audio with excellent tonal balance, RS232 control, remote control. Up to 10,000 hours lamp life for low cost of operation, whisper quiet fan and much more.

CONNECTIVITY (May require optional accessories)



COMPUTERS



SMART PHONES



TABLETS



3D BLU-RAY/DVD PLAYERS

SET TOP BOXES



CAMCORDERS



GAME CONSOLES



DIGITAL CAMERAS



Roku®



Apple TV®



Chromecast™

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Single 0.65" DC3 DMD DLP® Technology by Texas Instruments™
Native Resolution	WXGA (1280 x 800)
Maximum Resolution	WUXGA (1920 x 1200)
Brightness	3200 lumens
Contrast Ratio	20,000:1 (full on/full off)
Displayable Colors	1.07 Billion
Lamp Life and Type*	10,000/7000/6500/6000/5000 Hours (Edu/Eco+/Dynamic/Eco/Bright)
Projection Method	Front, rear, ceiling mount, table top
Keystone Correction	±40° Vertical
Uniformity	>85%
Offset	112%
Aspect Ratio	16:10 Native, 16:9 and 4:3 compatible
Throw Ratio	1.55–1.7:1
Projection Distance	3.2'–32.8' (1–10 m)
Image Size	27.2"–301" (0.69–7.6 m)
Projection Lens	F=2.5-2.67, f=21.8–23.98 mm 1.1x manual zoom and focus
Noise Level	29dB
Audio	2-Watt speaker
Remote Control	IR remote control
Operating Conditions	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	Max 233W (Normal), Min 196W (Eco+), <0.5W (standby-ECO)

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	WUXGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible
Video Input Compatibility	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
3D Compatibility†	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) and up converts frame rate from 60Hz to 120Hz or 24Hz to 144Hz (i.e 60 or 72 frames per eye). 3D glasses are needed and are sold separately. Refer to user manual for details.
Vertical Scan Rate	24–85Hz, 120Hz
Horizontal Scan Rate	15.375–91.146KHz
User Controls	Complete on-screen menu adjustment in 26 languages
I/O Connection Ports	HDMI, VGA-in, S-video, Composite video, Audio-in, Audio-out, RS-232C, USB mini-B

PHYSICAL SPECIFICATIONS

Security	Kensington® Lock Port, security bar and keypad lock
Weight	5.2 lb (2.4 kg)
Dimensions (W x H x D)	12.4" x 4.0" x 8.8" (315 x 102 x 224 mm)



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|--------------------|---------------|-------------------|
| 1. Security bar | 4. RS-232C | 7. VGA 1-in/YPbPr |
| 2. Composite video | 5. S-Video | 8. HDMI |
| 3. Audio-out | 6. Audio 1-in | 9. USB mini-B |
| | | 10. Power |

Warranty

1-Year Limited Parts and Labor, 90-Days on Lamp

In the Box (Standard Accessories)

W312 projector, AC power cord, VGA to VGA cable, remote control, carrying case, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card

Optional Accessories

Universal ceiling mount, Optoma screen, DLP®Link™ 3D glasses, wireless HDMI system and Cat6 HDBaseT

Accessory Part Numbers

Lamp: SP.73701GC01	Remote: SP.8VH02GC01
DLP®Link™ 3D glasses: ZD302	Carrying case: BK-4028
Single-Cat6 HDBaseT kit: EVBMN-M110	Wireless HDMI system: WHD200
Universal ceiling mount: OCM818B-RU	Universal ceiling mount: BM-5001U
Universal ceiling mount (with extensional pole): OCM815B	

UPC 796435 41 953 0

www.OptomaUSA.com



*Lamp life is dependent upon many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

†3D content can be viewed with DLP® Link active shutter glasses when projector is used with a compatible 3D player. Please visit www.OptomaUSA.com for more information.