





# MULTIMEDIA PROJECTOR X312



## PERFECT BALANCE OF POWER AND CONNECTIVITY



-  **3200 lumens bright with 20,000:1 contrast ratio for engaging presentations**
-  **Flexible digital and analog connectivity**
-  **Full 3D compatibility; captivate your audience with immersive 3D presentations**
-  **Up to 5,000 hours of lamp life for minimal cost of operation**



The Optoma X312 provides the perfect balance of power and connectivity to bring XGA resolution projection to conference rooms, training rooms, classrooms and houses of worship.

With its powerful 3200 lumens and 20,000:1 contrast ratio, the Optoma X312 delivers larger-than-life engaging presentations with superior image clarity, easy-to read text and graphics and vibrant, accurate colors.

The Optoma X312 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 5,000 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™

## MULTIMEDIA PROJECTOR — X312

### OPTICAL/TECHNICAL SPECIFICATIONS

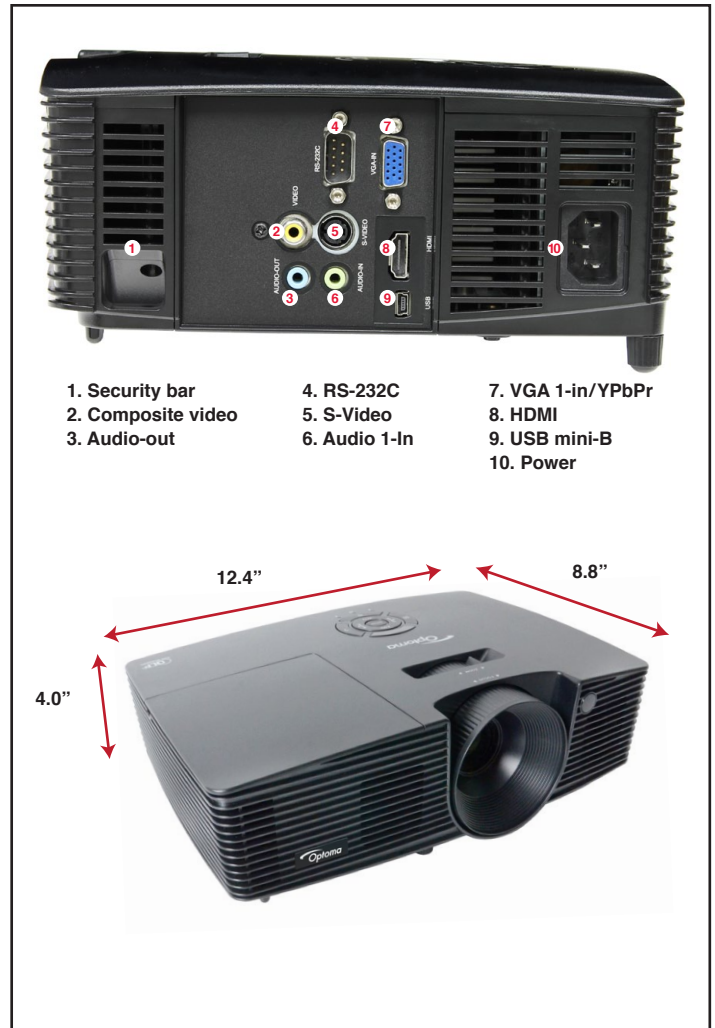
<b>Display Technology</b>	Single 0.55" DC3 DMD DLP® Technology by Texas Instruments™
<b>Native Resolution</b>	XGA (1024 x 768)
<b>Maximum Resolution</b>	UXGA (1600 x 1200)
<b>Brightness</b>	3200 lumens
<b>Contrast Ratio</b>	20,000:1 (full on/full off)
<b>Displayable Colors</b>	1.07 Billion
<b>Lamp Life and Type*</b>	5000 Hours
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±40° Vertical
<b>Uniformity</b>	>85%
<b>Offset</b>	115%
<b>Aspect Ratio</b>	4:3 Native, 16:9 compatible
<b>Throw Ratio</b>	1.95–2.15:1
<b>Projection Distance</b>	3.9'–39.4' (1.2–12 m)
<b>Image Size</b>	27.5"–302.8" (0.69–7.69 m)
<b>Projection Lens</b>	F=2.41–2.53, f=21.8–24 mm, 1.1x manual zoom and focus
<b>Noise Level</b>	29dB
<b>Audio</b>	2-Watt speaker
<b>Remote Control</b>	IR remote control
<b>Operating Conditions</b>	41–104°F (5–40°C), 85% max humidity
<b>Power Supply</b>	AC input 100–240V, 50–60Hz, auto-switching
<b>Power Consumption</b>	Max 233 (Normal), Min 196* (Eco+), <0.5W (standby-ECO)

### COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	WUXGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA
<b>Video Input Compatibility</b>	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
<b>3D Compatibility†</b>	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.
<b>Vertical Scan Rate</b>	24–85Hz, 120Hz
<b>Horizontal Scan Rate</b>	15.375–91.146KHz
<b>User Controls</b>	Complete on-screen menu adjustment in 26 languages
<b>I/O Connection Ports</b>	HDMI, VGA-in, S-video, Composite video, Audio-in, Audio-out, RS-232C, USB mini-B

### PHYSICAL SPECIFICATIONS

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



- |                    |               |                   |
|--------------------|---------------|-------------------|
| 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)

X312 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 41 940 0

\*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 RF active shutter glasses when projector is used with a compatible 3D player. RF 3D glasses require the use of an RF 3D emitter and a projector with a 3D VESA Sync port. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information.

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**Optoma**

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