

# SHORT THROW PROJECTOR W316ST



## SHORT THROW PROJECTION POWERHOUSE

**DIGITAL  
CINEMA**

**AVAILABLE AT  
DIGITAL CINEMA**



Ideal for large-screen short throw applications requiring crystal clear, easy to read text and graphics



3600 lumens bright and 20,000:1 contrast ratio for lights-on presentations



Full 3D compatibility; captivate your audience with 3D presentations and movies



Compatible with analog and digital sources



Presentation remote with built-in laser pointer and mouse control



Whisper quiet operation



The Optoma W316ST is the perfect short throw projector solution for use in classrooms, training rooms, higher education, houses of worship and digital signage applications.

With a powerful 3600 lumens bright image, a stunning 20,000:1 contrast ratio and Dynamic Black technology, the W316ST delivers bright large-screen short throw presentations with superb image clarity, razor sharp detail and remarkable color accuracy.

It provides complete connectivity for compatibility with analog and digital sources, including HDMI v1.4a with Full 3D capability, 2x VGA-in, VGA loop through, 2x audio-in, audio-out, RJ45, RS-232 control and advanced remote with laser and mouse control. Ultra-long 8000 hours lamp life and filter-free design minimize the cost of operation.

### 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™

## SHORT THROW PROJECTOR — W316ST

### OPTICAL/TECHNICAL SPECIFICATIONS

|                              |  |
|------------------------------|--|
| <b>Display Technology</b>    | Single 0.65" DC3 DMD DLP®<br>Technology by Texas Instruments™        |
| <b>Native Resolution</b>     | WXGA (1280 x 800)  |
| <b>Maximum Resolution</b>    | WUXGA (1920 x 1200)  |
| <b>Brightness</b>            | 3600 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>   | 8000/7000/6500/6000/4000 Hours<br>(Edu/ECO+/Dynamic/Eco/Bright) 210W |
| <b>Projection Method</b>     | Front, rear, ceiling mount, table top                                |
| <b>Keystone Correction</b>   | ±40° Vertical  |
| <b>Uniformity</b>            | >80%   |
| <b>Offset</b>                | 112%   |
| <b>Aspect Ratio</b>          | 16:10 Native, 16:9 & 4:3 compatible                                  |
| <b>Throw Ratio</b>           | 0.52 (distance/width)  |
| <b>Projection Distance</b>   | 1.6'–11.1' (0.5–3.4 m)   |
| <b>Image Size (Diagonal)</b> | 44.3"–301.2"   |
| <b>Projection Lens</b>       | F=2.8, f=7.419 mm, manual focus                                      |
| <b>Digital Zoom</b>          | 0.8 ~ 2.0  |
| <b>Audio</b>                 | 10-Watt speaker  |
| <b>Noise Level</b>           | 29dB   |
| <b>Remote Control</b>        | IR remote mouse control with laser                                   |
| <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 280W (Normal), Min 194W (Eco+),<br><0.5W (standby-ECO)           |

### COMPATIBILITY SPECIFICATIONS

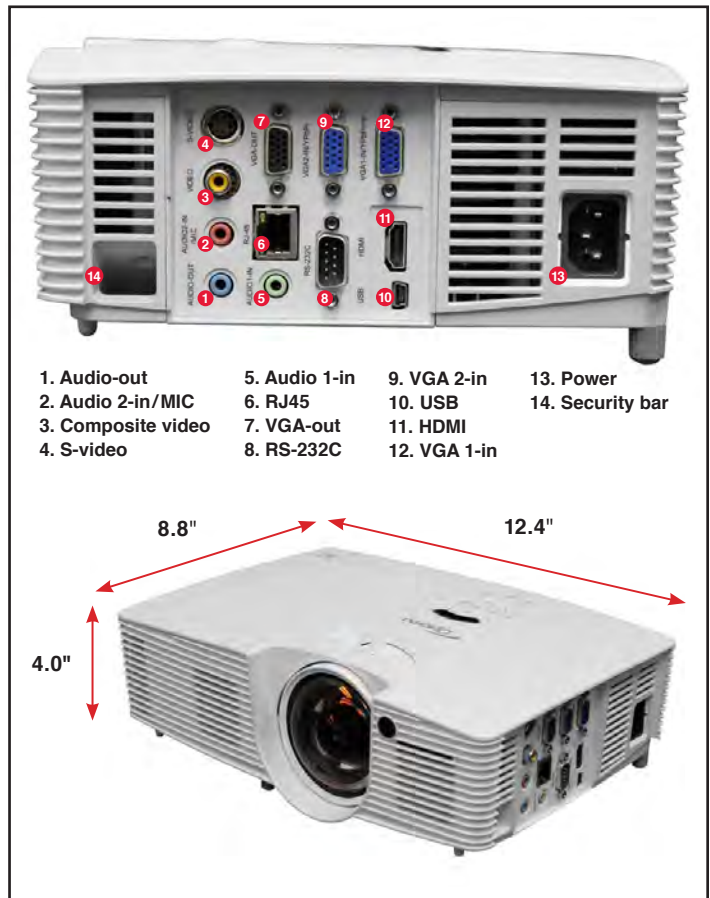
|                                  |   |
|----------------------------------|---|
| <b>Computer Compatibility</b>    | WUXGA, HD, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA   |
| <b>Video Input Compatibility</b> | NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)  |
| <b>3D Compatibility†</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>      | 15.375–91.1KHz  |
| <b>User Controls</b>             | Complete on-screen menu, adjustments in 27 languages  |
| <b>I/O Connection Ports</b>      | HDMI, two VGA-in, VGA-out, S-video, composite video, audio-in/mic, audio-in, audio-out, RS-232C, RJ45 and USB mini-B  |
| <b>Bonus Features</b>            | Closed captioning, powered VGA port for WiFi dongle, direct power on  |
| <b>Loop Through (Audio, VGA)</b> | <i>Monitor:</i> D-Sub 15 pin VGA output (functional in both normal and standby modes). <i>Audio:</i> VAO audio out, HDMI VAO audio out supported, (VAO in normal mode, fixed during Standby)  |

### PHYSICAL SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>Security</b>               | Kensington® lock port, security bar & keypad lock |
| <b>Weight</b>                 | 6.1 lb (2.7 kg)                                   |
| <b>Dimensions (W x H x D)</b> | 12.4" x 4.0" x 8.8" (314 x 101 x 224 mm)          |

\*Lamp life is dependent on 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.



- |                    |               |              |                  |
|--------------------|---------------|--------------|------------------|
| 1. Audio-out       | 5. Audio 1-in | 9. VGA 2-in  | 13. Power        |
| 2. Audio 2-in/MIC  | 6. RJ45       | 10. USB      | 14. Security bar |
| 3. Composite video | 7. VGA-out    | 11. HDMI     |                  |
| 4. S-video         | 8. RS-232C    | 12. VGA 1-in |                  |



#### Warranty

3-Year Optoma Express Service, 1-Year on Lamp

#### In the Box (Standard Accessories)

W316ST projector, AC power cord, remote control, batteries for remote, lens cap, multilingual CD-ROM user's manual, quick start card, and warranty card

#### Optional Accessories

Universal ceiling mounts, wall mount, wireless HDMI system, Cat6 HDBaseT Optoma screen, VGA dongle, DLP® Link™ 3D glasses and carrying case

#### Accessory Part Numbers

|  |                                   |
|--|-----------------------------------|
| Lamp: SP.70201GC01                                     | Remote: SP.70103GC01              |
| DLP® Link™ glasses: ZD302                              | Carrying case: BK-4028            |
| Single-Cat6 HDBaseT kit: EVBMN-M110                    | Wireless HDMI system: WHD200      |
| VGA dongle: BI-EXTBG03                                 | Universal ceiling mount: BM-5001U |
| Universal ceiling mount: OCM818W-RU                    | Wall mount: BM-3300ST             |
| Universal ceiling mount (with extension pole): OCM815W |                                   |

UPC 796435 41 917 2

[www.OptomaUSA.com](http://www.OptomaUSA.com)

**Optoma**  
Projector Expert

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