

# MULTIMEDIA PROJECTOR W402



## POWERFUL PRESENTATIONS



**4500 lumens with 20,000:1 contrast ratio for bright, crystal clear presentations**



**Analog and digital connectivity**



**Full 3D compatibility, create immersive viewing experiences**



**Up to 7000-hours lamp life minimizes cost of operation**



**Powerful 10-Watt audio**



The Optoma W402 will win your audience with its remarkable 4500 lumens bright image and outstanding 20,000:1 contrast ratio to produce large-screen presentations with easy to read text and graphics with crisp image detail and vibrant, accurate colors.

Perfect for medium to large-screen applications, the Optoma W402 is ideal for use in conference rooms, training rooms, higher education and houses of worship.

With ample analog and digital connectivity, the Optoma W402 will satisfy even the most demanding applications. HDMI 1.4a for digital sources, 2 VGA inputs, VGA out, 2 audio inputs, audio-out, VESA 3D sync port for full 3D compatibility, RS-232 and RJ45 for projector control, Powerful 10-Watt speaker, up to 7000-hours lamp life and whisper quiet operation.

## CONNECTIVITY (May require optional accessories)



## MULTIMEDIA PROJECTOR — W402

### OPTICAL/TECHNICAL SPECIFICATIONS

|                                     |  |
|-------------------------------------|--|
| <b>Display Technology</b>           | Single 0.65" DC3 DMD<br>DLP® Technology by Texas Instruments™            |
| <b>Native Resolution</b>            | WXGA (1280 x 800)  |
| <b>Maximum Resolution</b>           | WUXGA (1920 x 1200)  |
| <b>Brightness</b>                   | 4500 lumens  |
| <b>Contrast Ratio</b>               | 20,000:1   |
| <b>Displayable Colors</b>           | 1.07 Billion   |
| <b>Lamp Life and Type*</b>          | 7000/5500/5000/3000 (Education cycle/ECO+/ECO/normal)                    |
| <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 and 4:3 compatible                                    |
| <b>Throw Ratio (distance/Width)</b> | 1.28–1.536 (distance/width)  |
| <b>Projection Distance</b>          | 3.9'–32.8' (1.2–10 m)  |
| <b>Image Size (Diagonal)</b>        | 36.3"–362" (0.79–9.43 m)   |
| <b>Projection Lens</b>              | F=2.5–2.67, f=21.8–23.98 mm<br>1.2x manual zoom and focus                |
| <b>Digital Zoom</b>                 | 0.8 ~ 2.0  |
| <b>Audio</b>                        | 10-Watt speaker  |
| <b>Noise Level</b>                  | 31dB (Preliminary)   |
| <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 306W (Normal), Min 257W (Eco+),<br><0.5W (standby-ECO) (Preliminary) |

### COMPATIBILITY SPECIFICATIONS

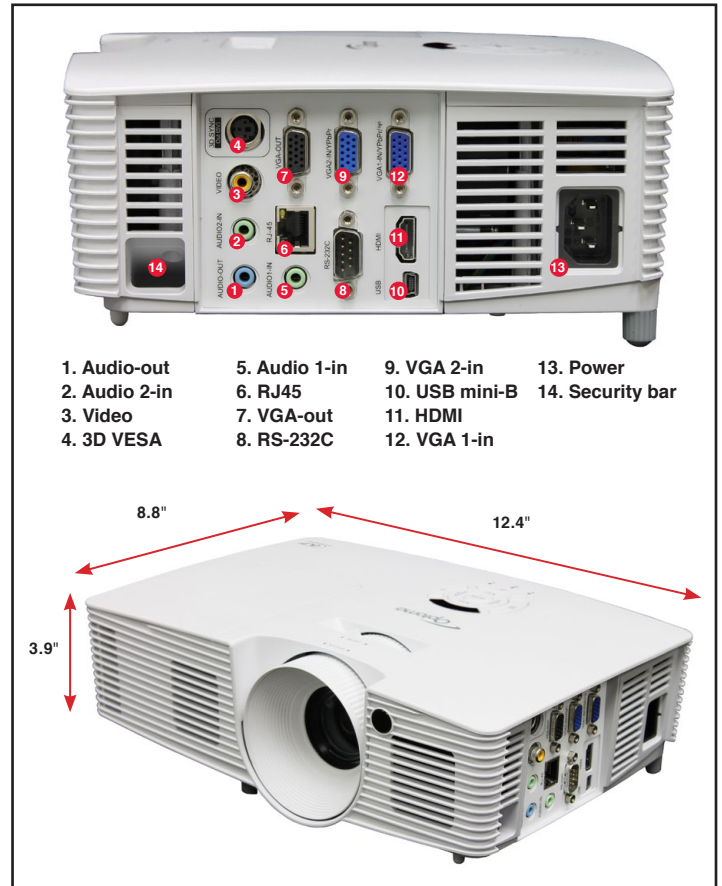
|                                  |  |
|----------------------------------|--|
| <b>Computer Compatibility</b>    | WUXGA, UXGA, SXGA+, WXGA+, WXGA, SXGA, XGA, SVGA, VGA resized  |
| <b>Video Input Compatibility</b> | NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)   |
| <b>3D Compatibility†</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>      | 15.375–91.4KHz   |
| <b>User Controls</b>             | Complete on-screen menu, adjustments in 19 languages   |
| <b>I/O Connection Ports</b>      | HDMI v1.4a, two VGA-in, VGA-out, composite video, two audio-in, audio-out, VESA 3D Sync port, RS-232C, RJ45 & mini USB-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 and keypad lock    |
| <b>Weight</b>                 | 5.5 lb (2.5 kg)                          |
| <b>Dimensions (W x H x D)</b> | 12.4" x 3.9" 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 either RF or DLP Link 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 | 6. RJ45       | 10. USB mini-B | 14. Security bar |
| 3. Video      | 7. VGA-out    | 11. HDMI       |                  |
| 4. 3D VESA    | 8. RS-232C    | 12. VGA 1-in   |                  |



#### Warranty

3-Year Optoma Express Service, 1-Year Lamp

#### In the Box (Standard Accessories)

W402 projector, AC power cord, VGA to VGA cable, remote control, batteries for remote, multilingual CD-ROM user's manual, quick start card, carrying case and warranty card

#### Optional Accessories

Ceiling mount, Optoma screens and DLP® Link™ 3D glasses, RF 3D emitter, RF 3D glasses

#### Accessory Part Numbers

|  |                                   |
|--|-----------------------------------|
| Lamp: SP.70701GC01                                     | Remote control: SP.70103GC01      |
| Wireless VGA dongle: BI-EXTBG03                        | DLP® Link™ glasses: ZD302         |
| Single-Cat6 HDBaseT kit: EVBMN-M110                    | Wireless HDMI system: WHD200      |
| Universal ceiling mount: OCM818W-RU                    | Universal ceiling mount: BM-5001U |
| Universal ceiling mount (with extension pole): OCM815W |                                   |
| Carrying case: BK-4028                                 |                                   |

UPC 796435 41 915 8

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

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