

# Professional Installation Laser Projector

## ZH500T-W



### Stunning projection with flexible installation



- Bright 5,000 lumens and 1080p resolution
- Four corner correction for simple stacking
- 360° and portrait mode operation
- Up to 20,000 hour light source life
- Integrated HDBaseT support
- Horizontal & vertical lens shift, keystone correction

### PRO|SCENE



Experience bright 5,000 lumen 1080p projection with the lamp-less Optoma ProScene ZH500T. Laser phosphor technology eliminates the need for lamp and filter replacements for 20,000 hours of low-cost and virtually maintenance-free operation.

Its low weight and quiet operation make it perfect for boardrooms, higher education, houses of worship and smaller entertainment venues. Horizontal and vertical lens shift, four corner correction, 360° and portrait mode operation enable flexible installations.

A variety of inputs, including HDBaseT and HDMI, enable simple connections to a wide variety of video sources. HDBaseT connectivity facilitates easy installations, enabling long cable runs of up to 328 feet for audio, video and control from a single CAT6 cable.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

# Professional Installation Laser Projector - ZH500T-W

## OPTICAL/TECHNICAL SPECIFICATIONS

|   |  |
|---|--|
| <b>Display Technology</b>                     | Single DMD, 0.65" 1080P DMD, DC3 DLP® Technology by Texas Instruments™   |
| <b>Color Wheel</b>                            | 4 Segment RYGB   |
| <b>Native Resolution</b>                      | 1080p (1920 x 1080)  |
| <b>Maximum Resolution</b>                     | WUXGA (1920 x 1200)  |
| <b>Brightness</b>                             | 5,000 ANSI lumens  |
| <b>Contrast Ratio</b>                         | 300,000:1 (ExtremeBlack enabled), 1,800:1 full on/full off   |
| <b>Displayable Colors</b>                     | 10 bit, 1.07 billion colors  |
| <b>Light source life*</b>                     | Up to 20,000 hrs   |
| <b>Light source type*</b>                     | Laser phosphor   |
| <b>Projection Method</b>                      | Front, rear, ceiling mount, table top  |
| <b>Keystone Correction</b>                    | ±30° vertical and horizontal   |
| <b>Geometry</b>                               | Four corner adjustment   |
| <b>Lens shift</b>                             | Horizontal ±10%, vertical +25%   |
| <b>Uniformity</b>                             | 85%  |
| <b>Offset</b>                                 | 105 - 130%   |
| <b>Aspect Ratio</b>                           | 16:9 (native), 4:3 compatible  |
| <b>Throw Ratio</b>                            | 1.2 - 1.92   |
| <b>Max Projection Distance</b>                | 4.2 ft/1.28m - 27.8 ft/8.5m  |
| <b>Image Size</b>                             | 30" - 300"   |
| <b>Projection Lens</b>                        | F/2.3-3.01; 17.63-31.36mm  |
| <b>Optical Zoom</b>                           | 1.6x   |
| <b>Digital Zoom</b>                           | 0.8 - 2.0x   |
| <b>Audio</b>                                  | 2 x 10W (stereo)   |
| <b>Noise Level</b>                            | 28dB Eco   |
| <b>Remote Control</b>                         | IR and wired remote  |
| <b>360 degree and Portrait mode operation</b> | Yes  |
| <b>Operating Temperature</b>                  | Operating: 5 - 40 °C   |
| <b>Power Supply</b>                           | AC input 110- 240V, 50-60 Hz   |
| <b>Power Consumption</b>                      | 380W +/- 15% max (Bright), 260W +/-15% max (ECO)   |
| <b>High Altitude</b>                          | Operating temperature at sea level up to 10,000 feet = 104° F (max); Must manually switch to high altitude mode from 5,000 feet and above (using OSD menu) to maintain optimal functionality |

## COMPATIBILITY SPECIFICATIONS

|                                  |  |
|----------------------------------|--|
| <b>Computer Compatibility</b>    | UXGA, SXGA, XGA, SVGA, VGA, WXGA, WUXGA, Mac   |
| <b>Video Input Compatibility</b> | SDTV / HDTV  |
| <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). Required 3D glasses are sold separately. Refer to user manual for details.   |
| <b>Vertical Scan Rate</b>        | 24 ~ 85 Hz   |
| <b>Horizontal Scan Rate</b>      | 15.375 ~ 91.146 KHz  |
| <b>User Controls</b>             | LAN, RS-232C, IR individually or over HDBaseT  |
| <b>I/O Connection Ports</b>      | 2x HDMI, VGA, HDBaseT, mic in (3.5mm), audio in (3.5mm), VGA out (VGA pass-through through to monitor) (monitor out), audio out (3.5mm), 3D sync, 12V trigger, RS-232C (D-sub 9 pin) (PC control), wired remote in (3.5mm phone jack), USB type A (USB power 5V/1.5A), mini USB (for LAN FW upgrade only) (service), IR receiver (on front and top side), RJ45 (LAN) |
| <b>Loop Through (Audio)</b>      | NA   |

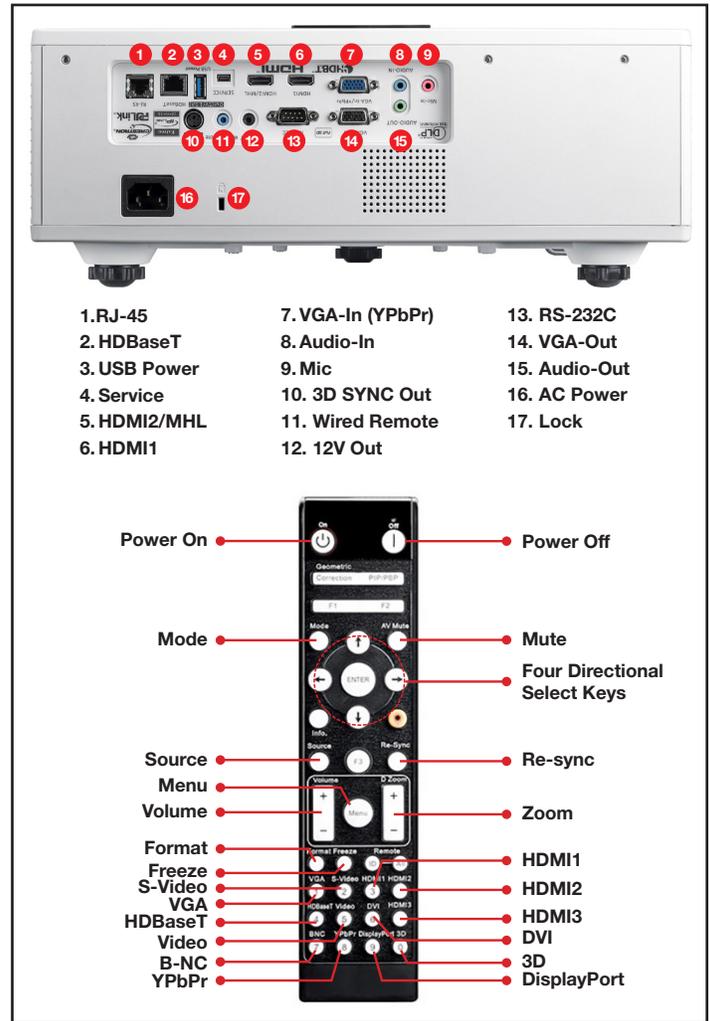
## PHYSICAL SPECIFICATIONS

|                               |   |
|-------------------------------|---|
| <b>Security</b>               | Kensington® lock port                                       |
| <b>Weight</b>                 | 23.6 lb   |
| <b>Dimensions (W x H x D)</b> | 15.2" x 15.9" x 6.2" (405mm x 387mm x 159mm with elevators) |

Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

Watching 3D projection while wearing 3D glasses for an extended period of time may cause headaches or fatigue. If you experience a headache, fatigue or dizziness, stop viewing the 3D projection and rest.

Portrait orientation must follow the recommended positions. Please consult the user manual for further details.



### Warranty

3-year or 20,000 hour light source warranty (whichever comes first), 3-year Optoma Express advance exchange warranty on the projector

### What's in the Box

Power cord, remote control, batteries, VGA cable and quick start guide, user manual CD, warranty card

### Optional Accessories

Universal ceiling mount, HDCast Pro, HDBaseT transmitter, 3D glasses

### Accessory Part Numbers

Universal ceiling mount: BM-9004U  
 HDBaseT transmitter: 4K100TX  
 Remote: BR-3075W  
 DLP@Link™ 3D glasses: ZD302  
 Wireless Mirroring: HDCast PRO-Black

UPC 796435 44 208 8



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