

# 1080p Professional Installation Short Throw Laser Projector

## ZH606TST-W



### Short throw, bright, compact and virtually maintenance free



- Bright 6,000 ANSI lumens and 1080p resolution
- 4K UHD HDR input with HDMI 2.0 (HDCP 2.2)
- 0.79:1 short throw ratio
- DuraCore maintenance-free laser light source up to 30,000 hours
- Vertical lens shift with four corner correction
- Integrated HDBaseT and 12v trigger
- 360° and portrait mode operation

### PRO|SCENE



Project from a short distance large Full HD images with the 6,000 lumens Optoma ProScene ZH606TST. The short lens 0.79:1 throw ratio produces a 100-inch image from just a few feet away from the projection surface, the ideal solution for space constrained installations.

Compact size, low weight and quiet operation make it perfect for higher education, corporate board rooms and other professional installations. Vertical lens shift, four corner correction, 360° and portrait mode operation enable flexible installations.

HDMI, HDBaseT and a wide variety of digital and analog I/Os, provide connectivity to virtually any device, including support for high-quality 4K HDR digital video or legacy analog video sources, while LAN and RS-232 enable control via Crestron, Extron, AMX or Telnet. Stereo speakers with 10W per channel provide rich audio for all-in-one applications while a 12V trigger output ensures compatibility with motorized screens.

### CONNECTIVITY (May require optional accessories)



Computers



Smart Phones



Tablets



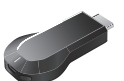
3D Blu-ray/DVD Players



Camcorders



Apple TV®



Chromecast™

# 1080p Professional Installation Short Throw Laser Projector - ZH606TST-W

## OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Texas Instruments™ 0.65" 1080p DMD
<b>Color Wheel</b>	4 segment RGBY
<b>Native Resolution</b>	1080p (1920 x 1080)
<b>Maximum Resolution</b>	4K (4096 x 2160, 60Hz)
<b>Brightness</b>	6,000 ANSI lumens
<b>Contrast Ratio</b>	300,000:1 (Extreme Black enabled) 2,000:1 full on/full off
<b>Displayable Colors</b>	1.07 billion
<b>Lamp Life and Type*</b>	Up to 30,000 hrs (Eco), 20,000 hrs (Normal)
<b>Light Source Type*</b>	DuraCore laser
<b>Projection Method</b>	Front, rear, ceiling mount, table top, 360° and portrait mode operation capable
<b>Keystone Correction</b>	±20° horizontal and vertical
<b>Geometry</b>	Four corner adjustment
<b>Lens Shift</b>	21% vertical
<b>Uniformity</b>	85%
<b>Offset</b>	106%
<b>Aspect Ratio</b>	16:9 (native), 4:3 compatible
<b>Throw Ratio</b>	0.79:1
<b>Projection Distance</b>	1.64'- 17.3'
<b>Image Size</b>	29" – 303"
<b>Projection Lens</b>	F=2.5, f=11.6mm
<b>Optical Zoom</b>	NA
<b>Digital Zoom</b>	0.8 - 2.0x
<b>Audio</b>	2 x 10W (stereo)
<b>Noise Level</b>	33db
<b>Remote Control</b>	Full function remote with laser pointer
<b>360° and Portrait mode Operation</b>	Yes (limitations apply). Please consult user manual for more details.
<b>Operating Temperature</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>	Bright: 415W (typical), 477W (max) Eco: 188W (typical), 216W (max)
<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>	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA, 4K, 4K UHD
<b>Video Input Compatibility</b>	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz)
<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 sold separately. Refer to user manual for details.
<b>Vertical Scan Rate</b>	24 ~ 85 Hz (120 Hz for 1080p 3D feature)
<b>Horizontal Scan Rate</b>	15.375 ~ 91.146 KHz
<b>User Controls</b>	Graphic user interface and on-screen menu in 27 languages
<b>I/O Connection Ports</b>	1x HDMI 2.0 (HDCP 2.2, MHL), 1x HDMI 1.4, 1x HDBaseT, 1x composite, 2x VGA, 1x S-video, 1x audio in, 1x mic/audio in, 1x USB-A (power), 1x VGA out (support VGA loop through to monitor) (monitor out), 1x audio out, 1x 12v trigger
<b>Control</b>	1x RJ-45, 1x RS-232C

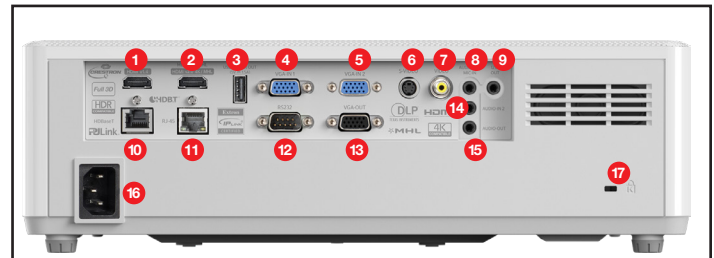
## PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, password (OSD)
<b>Weight</b>	12.3 lbs
<b>Dimensions (W x H x D)</b>	14.7" x 4.6" x 11.9"

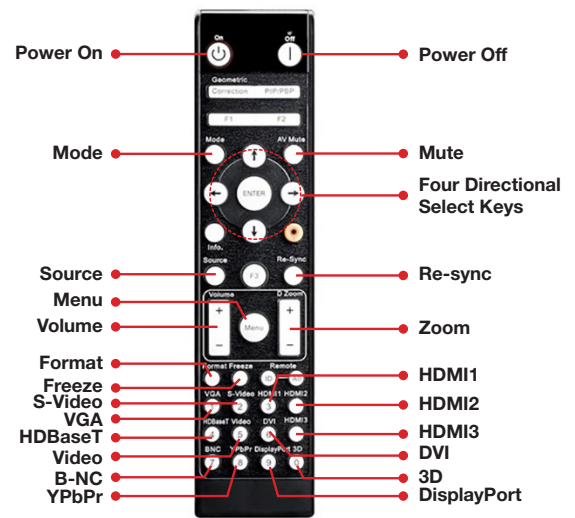
\*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

†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 information.



- |                  |                    |                |
|------------------|--------------------|----------------|
| 1. HDMI 2        | 7. Video           | 13. VGA-Out    |
| 2. HDMI 1/MHL    | 8. Audio-In/Mic-In | 14. Audio-in 2 |
| 3. USB Power-Out | 9. 12V-Out         | 15. Audio-Out  |
| 4. VGA-In 1      | 10. HDBaseT        | 16. AC Power   |
| 5. VGA-In 2      | 11. RJ-45          | 17. Lock       |
| 6. S-Video       | 12. RS232          |                |



### 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

ZH606TST-W, AC power cable, remote, batteries, quick start guide and warranty card

### Optional Accessories

Remote, ceiling mount

### Accessory Part Numbers

Universal ceiling mount: BM-5001U  
Remote: BR-3075W

UPC 796435 44 429 7

Optoma.com



Copyright © 2019 Optoma Technology, Inc. DLP® and the DLP logo are registered trademarks of Texas Instruments™. All other trademarks are the property of their respective owners. All specifications subject to change at any time. 09132019