# WXGA Professional Installation Laser Projector

## ZW506-W

## Bright, compact and virtually maintenance-free



- Bright 5,200 ANSI lumens and WXGA resolution
- 4K UHD HDR input with HDMI 2.0 (HDCP 2.2)
- Light source life up to 20,000 hrs
- Vertical lens shift with four corner correction
- LAN and RS232 control with Crestron, Extron, AMX and Telnet compatibility
- 360° and portrait mode operation
- Stereo speakers with 10W per channel

PROSCENE

DLP TEXAS INSTRUMENTS · BrilliantColor · HDMI · WXGA · 16:9 ENHANCED · Full 3D · RS-232 · LASER · CRESTRON




Add stunning, razor-sharp images to any room with the 5,200 lumen, WXGA Optoma ProScene ZW506. A laser light source eliminates lamp and filter replacements for up to 20,000 hours of low-cost and virtually maintenance-free operation.

The compact size, low weight and quiet operation make it perfect for boardrooms, higher education, houses of worship and entertainment venues. Vertical lens shift, four corner correction, 360° and portrait mode operation enable flexible installations.

HDMI and VGA inputs provide connectivity to 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.

## CONNECTIVITY (May require optional accessories)


Computers


Smart Phones


Tablets


3D Blu-ray/DVD Players


Camcorders



Apple TV®


Chromecast™

# WXGA Professional Installation Laser Projector - ZW506-W

## OPTICAL/TECHNICAL SPECIFICATIONS

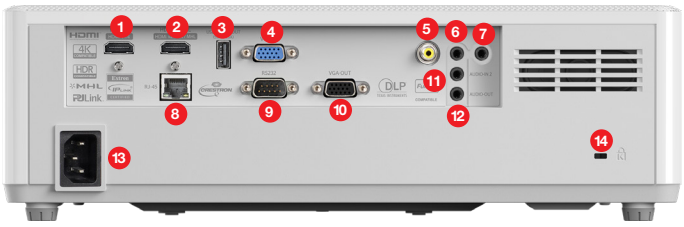
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|---|---|
| **Display Technology** | Texas Instruments™ 0.65" WXGA DMD |
| **Color Wheel** | 4 segment RGBY |
| **Native Resolution** | WXGA (1280x800) |
| **Maximum Resolution** | 4K UHD (3840 x 2160 @ 60Hz) |
| **Brightness** | 5,200 ANSI lumens |
| **Contrast Ratio** | 300,000:1 (Extreme Black enabled) 1,800:1 full on/full off |
| **Displayable Colors** | 1.07 billion |
| **Lamp Life and Type*** | Up to 20,000 hrs |
| **Light Source Type*** | Laser Phosphor |
| **Projection Method** | 360, front, rear, ceiling mount, table top |
| **Keystone Correction** | ±30° horizontal and vertical |
| **Geometry** | Four corner adjustment |
| **Lens Shift** | 15% vertical |
| **Uniformity** | 80% |
| **Offset** | 100%-115% ±5% |
| **Aspect Ratio** | 16:10 (native), 16:9 and 4:3 compatible |
| **Throw Ratio** | 1.47-2.35:1 |
| **Projection Distance** | 3.28'- 32.8' |
| **Image Size** | 20" – 316" |
| **Projection Lens** | F=2.5-3.26 f=20.91-32.62 |
| **Optical Zoom** | 1.6x |
| **Digital Zoom** | 0.8 - 2.0x |
| **Audio** | 2 x 10W (stereo) |
| **Noise Level** | 36db (Normal) / 30db (Eco) |
| **Remote Control** | Full size remote with laser pointer |
| **360 degree and Portrait mode operation** | Yes |
| **Operating Temperature** | 41–104°F (5–40°C), 85% max humidity |
| **Power Supply** | AC input 100–240V, 50–60Hz, auto-switching |
| **Power Consumption** | 353W ±15% (Full), 321W±15% (Eco) |
| **High Altitude** | 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

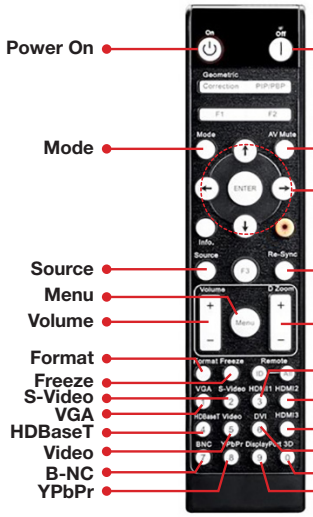
| | |
|---|---|
| **Computer Compatibility** | VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA |
| **Video Input Compatibility** | PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz) |
| **3D Compatibility†** | Supports all HDMI 1.4a mandatory 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. |
| **Vertical Scan Rate** | 24 ~ 85 Hz |
| **Horizontal Scan Rate** | 15.375 ~ 91.146 KHz |
| **User Controls** | Graphic user interface and on-screen menu in 27 languages |
| **I/O Connection Ports** | 1x HDMI 2.0 (HDCP 2.2), 1x HDMI 1.4 (MHL), 1x composite, 1x VGA, 1x audio in, 1x mic in, 1x USB-A (power), 1x VGA out, 1x audio out, 1x 12v trigger |
| **Control** | 1x RJ-45, 1x RS-232C, 1x wired remote |
| **Loop Through (Audio)** | Yes |

## PHYSICAL SPECIFICATIONS

| | |
|---|---|
| **Security** | Kensington® lock port, password (OSD) |
| **Weight** | 12.12 lbs |
| **Dimensions (W x H x D)** | 14.7" x 4.6" x 11.9" |




1. HDMI 2
2. HDMI 1/MHL
3. USB Power-Out
4. Service
5. VGA-In
6. Audio-In/Mic-In
7. 12V-Out
8. RJ-45
9. RS232
10. VGA-Out
11. Audio-In 2
12. Audio-Out
13. AC Power
14. Lock




**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**

ZW506-W, AC power cable, lens cap, remote control, batteries, quick start guide, CD user manual, carrying case

**Optional Accessories**

Remote, mount, HDCast Pro, 3D glasses

**Accessory Part Numbers**

Universal ceiling mount: BM-5001U
DLP®Link™ 3D glasses: ZD302
Remote: BR-3075W
Wireless: HDCast PRO - BLACK

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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.

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