1080p Professional Installation Laser Projector

ZH506-W

Bright, compact and virtually maintenance-free



- Bright 5,000 ANSI lumens and 1080p 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 · 1080p · 16:9 ENHANCED · Full 3D · RS-232 · LASER · CRESTRON



Brighten any room with razor-sharp, 5,000 lumen, 1080p projection with the remarkable Optoma ProScene ZH506. A laser light source eliminates lamp and filter replacements for up to 20,000 hours of low-cost and virtually maintenance-free operation.

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™

1080p Professional Installation Laser Projector - ZH506-W

OPTICAL/TECHNICAL SPECIFICATIONS

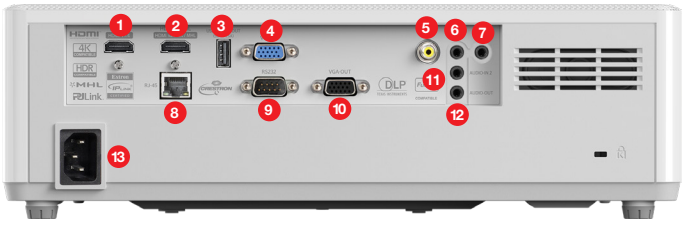
Display Technology	Texas Instruments™ 0.65" 1080p DMD
Color Wheel	4 segment RGBY
Native Resolution	1080p
Maximum Resolution	4K UHD (3840 x 2160 @ 60Hz)
Brightness	5,000 ANSI lumens
Contrast Ratio	300,000:1 (Extreme Black enabled) 1,800:1 full on/full off
Displayable Colors	1.07 billion
Lamp Life and 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	103%-118% ±5%
Aspect Ratio	16:9 (native) 4:3 compatible
Throw Ratio	1.40-2.24:1
Projection Distance	3.28'- 32.8
Image Size	20.2" – 322.6"
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

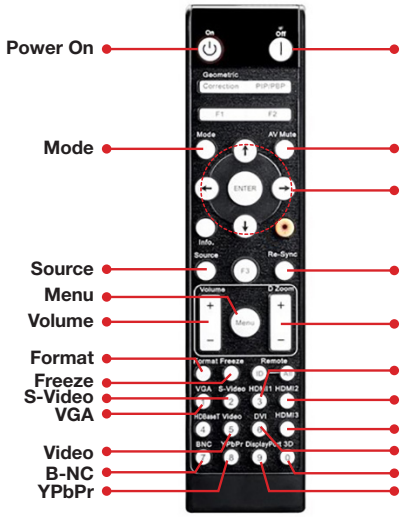
Computer Compatibility	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA
Video Input Compatibility	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz)
3D Compatibility†	Supports all HDMI 1.4a mandatory 3D formats (Frame pack, side-by-side, top-bottom) 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 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	2x HDMI 1.4 (HDMI 2 MHL), 1x composite, 2x VGA, 1x S-video, 1x audio in, 1x mic/audio in, 1x USB-A (power), 1x VGA out (VGA 1 only), 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

ZH506-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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