1080p Professional Installation Laser Projector
ZH506T-B

Brighten any room with razor-sharp, 5,000 lumen, 1080p projection with the remarkable Optoma ProScene ZH506T. 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, HDBaseT 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 and Telnet compatibility.

STEREO speakers with 10W per channel provide rich audio for all-in-one applications, a 12V trigger output ensures compatibility with motorized screens.

CONNECTIVITY (May require optional accessories)
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

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)

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 HDBaseT 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

Optical/Technical 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"

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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