1080p Professional Installation Laser Projector

ZH606-B

Optoma

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)

DuraCore maintenance-free laser light source up to 30,000 hours

Vertical lens shift with four corner correction and color matching

LAN and RS232 control with Crestron, Extron, AMX and Telnet compatibility

360° and portrait mode operation

PRO|SCENE

DLP TEXAS INSTRUMENTS · BrilliantColor · HDMI HIGH DEFINITION MULTIMEDIA INTERFACE · 1080p · WIDESCREEN 16:9 ENHANCED · Full 3D · RS-232 · LASER · CRESTRON

Brighten any room with 6,000 lumen, 1080p projection with the remarkable Optoma ProScene ZH606. A laser light source eliminates lamp and filter replacements for up to 30,000 hours of low-cost and virtually maintenance-free operation.

Its 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.

A variety of inputs, including HDMI and VGA, 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, Telnet. 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)

Computers

Smart Phones

Tablets

3D Blu-ray/DVD Players

Camcorders

Apple TV®

Chromecast™

1080p Professional Installation Laser Projector - ZH606-B

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Texas Instruments™ 0.65" 1080p DMD
Color Wheel	4 segment RGBY
Native Resolution	1080p
Maximum Resolution	4K (4096 x 2160, 60Hz)
Brightness	6,000 ANSI lumens
Contrast Ratio	300,000:1 (Extreme Black enabled) 2,000:1 full on/full off
Displayable Colors	1.07 billion
Lamp Life and Type*	Up to 30,000 hrs (Eco), 20,000 hrs (Normal)
Light Source Type*	DuraCore Laser
Projection Method	360°, front, rear, ceiling mount, table top
Keystone Correction	±30° horizontal and vertical
Geometry	Four corner adjustment
Lens Shift	21% vertical
Uniformity	85%
Offset	106%
Aspect Ratio	16:9 (native), 4:3 compatible
Throw Ratio	1.2-1.9:1
Projection Distance	4.3'- 32.8
Image Size	31" – 301"
Projection Lens	F=2.5-3.0 f=17.63-31.63
Optical Zoom	1.6x
Digital Zoom	0.8 - 2.0x
Audio	2 x 10W (stereo)
Noise Level	33db
Remote Control	Full size remote with laser pointer
360° and Portrait mode operation[1]	Yes (limitations apply on 360° single axis installation. Please check user manual for more details)
Operating Temperature	41–104°F (5–40°C), 85% max humidity
Power Supply	AC input 100–240V, 50–60Hz, auto-switching
Power Consumption	Bright: 415W (typical), 477W (max) Eco: 182W (typical), 209W (max)
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

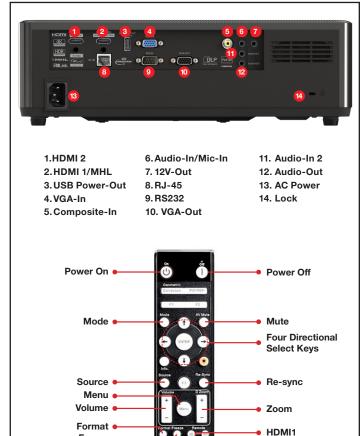|	
Computer Compatibility	VGA, SVGA, HDTV(720P), WXGA, WXGA+, SXGA, SXGA+, UXGA, HDTV(1080p), WUXGA, 4K UHD (24/30/50/60Hz), 4K (DCI) (24/30Hz)
Video Input Compatibility	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz)
3D Compatibility[†]	Supports all HDMI 1.4a mandatory 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 (120Hz for 3D feature projector)
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, MHL), 1x HDMI 1.4, 1x composite, 1x VGA, 1x composite, 1x VGA out, 1x audio in, 1x mic/audio in, 1x USB-A (power), 1x 12V trigger
Control	1x RJ-45, 1x RS-232C
Loop Through (Audio)	No

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	12.3 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.

[1]Portrait orientation must follow the recommended positions. Please consult the user manual for further information.

1. HDMI 2
2. HDMI 1/MHL
3. USB Power-Out
4. VGA-In
5. Composite-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

Power On
Mode
Source
Menu
Volume
Format
Freeze
S-Video
VGA
HDBaseT
Video
B-NC
YPbPr

Power Off
Mute
Four Directional Select Keys
Re-sync
Zoom
HDMI1
HDMI2
HDMI3
DVI
3D
DisplayPort

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

ZH606-B, AC power cable, remote, batteries, quick start guide and warranty card

Optional Accessories

Remote, mount

Accessory Part Numbers

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

UPC 796435 44 453 2

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