

1080p Laser Projector

ZH403

Optoma

Compact, lightweight and virtually maintenance free



-  4,000 ANSI lumens with 300,000:1 contrast ratio
-  4K UHD input with HDMI 2.0 (HDCP 2.2)
-  HDR10 and HLG compatible
-  DuraCore maintenance-free laser light source up to 30,000 hours
-  1.3x optical zoom and vertical keystone
-  24/7, 360° and portrait mode operation



1080p

WIDESCREEN
16:9
ENHANCED

Full 3D



Brighten any room with razor-sharp, 4,000 lumen, 1080p projection with the remarkable Optoma ZH403. A laser light source eliminates lamp and filter replacements for up to 30,000 hours of low-cost and virtually maintenance-free operation.

Compact size, low weight and quiet operation make it perfect for classrooms, meeting rooms, board rooms and digital signage. Vertical keystone, 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. A 10W speaker provides 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 Laser Projector - ZH403

OPTICAL/TECHNICAL SPECIFICATIONS

Display Technology	Texas Instruments™ 0.65" 1080p DMD
Color Wheel	4 segment RGBY
Native Resolution	1080p
Maximum Resolution	HDMI 2.0: 4K UHD (3840 x 2160 @ 60Hz) 4K (4096 x 2160, 60Hz) HDMI 1.4: WUXGA (1920 x 1200)
Brightness	4,000 ANSI lumens
Contrast Ratio	300,000:1 (Extreme Black enabled) 1,800:1 full on/full off
Displayable Colors	1.07 billion
Lamp Life*	Up to 30,000 hrs (Eco), 20,000 hrs (Normal)
Light Source Type*	DuraCore laser
Projection Method	360°, front, rear, ceiling mount, table top 360°: auto dims to 60%±5% in 195° - 345° orientation Portrait: auto dims to 90%±5%
Keystone Correction	±30° vertical
Geometry	Vertical keystone
Uniformity	75%
Offset	110%
Aspect Ratio	16:9 (native), 4:3, LBX, auto compatible
Throw Ratio	1.21-1.59:1±5%
Projection Distance	2.4' - 34.7' (without zoom)
Image Size	28" - 300.3"
Projection Lens	f=12.81~16.74mm, F=1.94~2.23
Optical Zoom	1.3x
Digital Zoom	0.8 - 2.0x
Audio	10W
Noise Level	32db
Remote Control	Full size remote with laser pointer
360° 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	Bright: 246W typical, 283W max Eco: 193W typical, 220W 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, 4K UHD
Video Input Compatibility	PAL, SECAM, 576i/p, NTSC, 480i/p, HDTV 720p/1080i/1080p 4K UHD 2160p (24/50/60 Hz), 4K
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 (120 Hz for 1080p 3D feature)
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 VGA, 1x audio in (3.5mm), 1x USB-A (power, 5V, 1.5A), 1x micro USB (service)
Control	1x RJ-45, 1x RS-232C

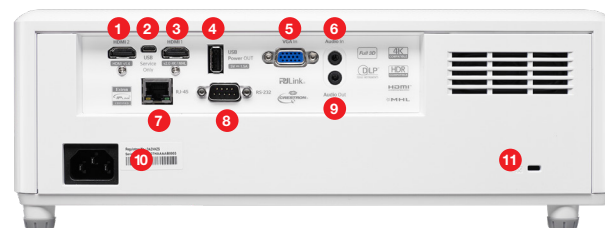
PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	9.4 lbs
Dimensions (W x H x D)	13.26" x 4.8" x 10.5"

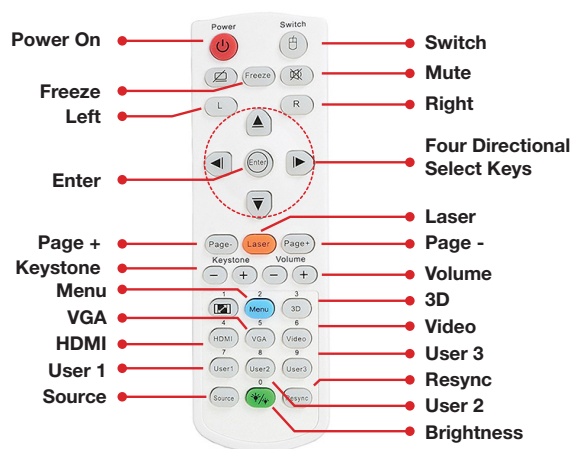
*Light source life is dependent on brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

†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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|------------------------|-------------|--------------|
| 1. HDMI 2 (1.4a) | 5. VGA-In | 9. Audio-Out |
| 2. Micro USB (service) | 6. Audio-In | 10. AC Power |
| 3. HDMI 1 (2.0 wMHL) | 7. RJ-45 | 11. Lock |
| 4. USB Power (1.5A) | 8. RS232 | |



Warranty

2 Year parts and labor limited warranty on the projector, 5-year or 12,000 hour light source warranty (whichever comes first)

What's in the Box

ZH403, AC power cable, remote control, batteries, quick start user manual

Accessories

Universal Ceiling mount: OCM815W
Universal Ceiling mount: OCM818W-RU
Universal Ceiling mount: BM-5001U
Remote (replacement): BR-5080C
4K UHD Casting and mirroring adapter: UHDCast Pro
QuickCast Pro 4K HDMI starter kit: QCP-SK-4K-HDMI (1 TX and 1 RX)
QuickCast Pro 4K HDMI starter kit: QCP-4K-KIT (2 TX, 1 RX, 1 Cradle)

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