

# WUXGA PROFESSIONAL INSTALLATION LASER PROJECTOR

## ZU1050

Spectacular image quality and brightness with low maintenance laser technology



PRO|SCENE

- Sharp and luminous image with 10,000 lumens
- DuraCore: maintenance-free laser light source at full brightness up to 20,000 hours
- MultiColor Laser technology provides a wider color gamut with high brightness
- Integrated edge-blending and image warping with portrait and 360° operation mode
- Robust connectivity options, including HDMI, HDBaseT, 3G-SDI and wireless mirroring and streaming via USB dongle
- Six interchangeable optical lens options



The Optoma ZU1050 is a professional installation WUXGA projector designed for large meeting rooms, boardrooms, auditoriums, museums, houses of worship and broadcast environment installations that demand vibrant colors, consistent brightness and stunning quality images. The latest laser phosphor technology delivers a powerful 10,000 lumens of brightness and up to 20,000 hours of operation without lamp or filter replacements.

Every aspect of the Optoma ZU1050 was carefully designed and built to suit the requirements of even the most complex professional installation for the ultimate in professional image projection. It's part of the DuraCore family, which features a dust-sealed and filter-free design with IP6X certification that prevents dust and dirt from affecting the optical system for optimal image quality with minimal maintenance.

Motorized lens shift, zoom and focus combined with 360° and portrait operation mode provide flexibility for simple, trouble-free installations. A variety of premium quality lenses ranging from 0.36:1 to 5.5:1 throw ratio ensures the Optoma ZU1050 can be used with a variety of projection distances. Robust input options include HDMI, DVI-D, VGA and component, HDBaseT and 3G-SDI for connectivity to a wide range of advanced devices.

**CONNECTIVITY** (May require optional accessories)

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# WUXGA PROFESSIONAL INSTALLATION LASER PROJECTOR – ZU1050

## OPTICAL/TECHNICAL SPECIFICATIONS

<b>Display Technology</b>	Single DMD, 0.67" WUXGA DMD, Type A, DC3 DLP® Technology by Texas Instruments™
<b>Native Resolution</b>	WUXGA (1920x1200)
<b>Maximum Resolution</b>	WUXGA (1920x1200)
<b>Brightness</b>	10,000 ANSI lumens, 10,000 center lumens
<b>Contrast Ratio</b>	2,000,000:1 (Extreme black enabled) 2000:1 (full on/full off) (Dynamic Black)
<b>Lamp Life and Type*</b>	Up to 20,000 hrs
<b>Lens Options:</b>	BX-CTA16-0.36 BX-CTA15-0.75-0.95 BX-CTAA01-0.95-1.22 BX-CTAA06-1.22-1.53 BX-CTAA03-1.52-2.92 BX-CTA13-2.90-5.50 BX-CTADOME-0.36
<b>Projection Method</b>	Front, rear, ceiling mount, table top, 360° and portrait mode operation capable
<b>Geometric Correction</b>	±20° vertical and horizontal keystone, 4 corner, pincushion/barrel
<b>Lens Shift</b>	±50% vertical ±15% horizontal
<b>Uniformity</b>	90%
<b>Aspect Ratio</b>	16:10 (native), 16:9 and 4:3 compatible
<b>Throw Ratio</b>	0.36 - 5.50 (dependent on installed lens)
<b>Projection Distance</b>	2'6" - 116'4" (0.81 - 35.5m)
<b>Image Size</b>	50" - 300"
<b>Projection Lens</b>	(No standard lens supplied) 6 lenses to choose from
<b>Optical Zoom</b>	1.25x -1.9x
<b>Digital Zoom</b>	0.8 - 2.0
<b>Audio</b>	NA
<b>Noise Level</b>	35dB/37dB (typical/max)
<b>Remote Control</b>	Full function remote with laser pointer
<b>Operating Temperature</b>	41–104°F (5–40°C), 85% max humidity
<b>Power Supply</b>	AC input 100 – 240V, 50–60 Hz
<b>Power Consumption</b>	945W+/-15% Max (Bright), 480W+/-15% Max (ECO) @ 110V AC
<b>High Altitude</b>	Must manually switch to high altitude mode @ 5000 feet & above (using OSD)

## COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	WUXGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible
<b>Video Input Compatibility</b>	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
<b>3D Compatibility<sup>1</sup></b>	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). Required 3D glasses are sold separately. Refer to user manual for details.
<b>Vertical Scan Rate</b>	24–85Hz, 120Hz
<b>Horizontal Scan Rate</b>	15.375–91.146KHz
<b>User Controls</b>	Complete on-screen menu adjustment in 12 languages
<b>I/O Connection Ports</b>	1 x HDMI-in (version 1.4), 1 x DVI-D, 1 x VGA-in (D-Sub 15pin) (computer in or component), 1 x HDBaseT, 1 x 3G-SDI, 1 x 3D SYNC In, 1x VGA-out (supports VGA passthrough to monitor) (monitor out), 1 x 3D SYNC out, 1 x HDMI-out (version 1.4), 1 x RS232 (D-sub 9 pin) (PC Control), 1 x wired in (3.5mm phone jack) (remote in), 1 x USB Type A (for Wi-Fi adapter), 1 x mini USB (for LAN FW upgrade only) (service), 1 x RJ45 (LAN)

## PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® Lock port, security bar and keypad lock
<b>Weight</b>	50.7 lbs (w/out lens)
<b>Dimensions (W x H x D)</b>	19" x 7.7" x 20.7" (482 x 195 x 525 - with elevators) W H D

\*Light source life is dependent upon many factors, including brightness mode, display mode, usage, environmental conditions and more. Light source brightness can decrease over time.

<sup>1</sup>3D content can be viewed with DLP Link active shutter 3D glasses when projector is used with a compatible 3D player. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information.



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|------------------------|----------------|------------------|
| 1. Power On/Off        | 7. HDMI Out    | 13. Wired Remote |
| 2. Menu Navigation Pad | 8. HDMI In     | 14. 3D SYNC In   |
| 3. 3G-SDI              | 9. 3D SYNC Out | 15. USB Power    |
| 4. DVI-D               | 10. HDBaseT    | 16. Service      |
| 5. VGA-In (YPbPr)      | 11. RJ-45      | 17. AC Power     |
| 6. VGA-out             | 12. RS-232C    | 18. Power Switch |

### 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

ZU1050 projector, AC power cord, VGA cable, remote control, carrying case, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card

### Optional Accessories

Universal ceiling mount, DLP@Link™ 3D glasses, Wi-Fi dongle, Wireless HDMI system, remote

### Accessory Part Numbers

Ceiling mount: BM-9011N  
Remote: BR-3074W  
DLP@Link™ 3D glasses: ZD302  
RF 3D emitter: B300  
Wireless HDMI system: HDCast PRO - BLACK

UPC 796435 44 147 0

[www.OptomaUSA.com](http://www.OptomaUSA.com)

