








# ZU650+ WUXGA Professional Install Laser Projector



-  6000 Lumens WUXGA Laser
-  1360° and 1Portrait Mode operation
-  5 interchangeable lenses options
-  Built-in HDBaseT input
-  H/V Lens Shift and Keystone
-  Light Source Life up to 20000 Hrs
-  Multi Color Laser technology enables a wider color gamut maintaining high brightness



PRO|SCENE

The Optoma ZU650+ is a lamp-less projector with laser phosphor technology, eliminating the need for lamp and filter replacements, providing 20,000 hours of low-cost operation. Featuring an industry unique Multi Color Laser (MCL) Technology on it's light source design, which delivers a wider color gamut while maintaining high brightness.

The ZU650+ is a ProAV installation projector with low-weight, quiet operation and 5 lens options. The ZU650+ is the perfect projector solution for museums, boardrooms, higher education, house of worship and smaller entertainment venues.

Equipped with a variety of inputs, including HDBaseT and HDMI, the ZU650+ allows you to connect to a wide variety of HD devices to easily display your content.

Using the HDBaseT port facilitates easy installations running up to 328' with a single CAT6 cable for: Video, Audio and Control.



## Lenses



## TECHNOLOGY/FEATURES



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## Professional installation Laser projector – ZU650+



- |                        |                        |                  |
|------------------------|------------------------|------------------|
| 1. Power On/Off        | 7. VGA-In (YPbPr)      | 13. USB (Power)  |
| 2. Menu Navigation Pad | 8. VGA-out             | 14. Network      |
| 3. HDBaseT             | 9. DVI-D               | 15. AC Power     |
| 4. Wired Remote In     | 10. Component Video    | 16. Power Switch |
| 5. Wired Remote Out    | 11. RS-232C            |                  |
| 6. HDMI                | 12. USB-mini (service) |                  |



### 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 (1920 x 1200)
<b>Maximum Resolution</b>	WUXGA (1920 x 1200)
<b>Brightness</b>	6000 Center Lumens 5500 ANSI Lumens
<b>Contrast Ratio</b>	2,000,000:1 (Extreme black enabled) 2000:1 (full on/full off) 250:1 ANSI
<b>Color Wheel</b>	4 Segment RYGB
<b>Light Source Life<sup>2</sup> Up To</b>	20,000 hrs
<b>Projection Method</b>	Front, rear, ceiling mount, table top
<b>Keystone Correction</b>	±20° Vertical and Horizontal
<b>Lens shift</b>	±100% Vertical ±30% Horizontal
<b>Geometry</b>	Pincushion/Barrel
<b>Uniformity</b>	85%
<b>Aspect Ratio</b>	16:10 (Native), 16:9, 4:3, Auto
<b>Throw Ratio</b>	0.75:1~5.5:1 (interchangeable lenses)
<b>Projection Distance</b>	2.6'~115' (0.8~35 m)
<b>Image Size</b>	50" ~ 300"
<b>Projection Lens</b>	(No standard lens supplied) 5x lenses to choose from
<b>BX-CTA15 (Short Throw)</b>	Throw ratio: 0.75-0.95:1
<b>BX-CAA01 (Semi Short)</b>	Throw ratio: 0.95-1.22:1
<b>BX-CAA02 (Standard)</b>	Throw ratio: 1.22-1.53:1
<b>BX-CAA03 (Long Throw)</b>	Throw ratio: 1.52-2.92:1
<b>BX-CTA13 (Ultra Long)</b>	Throw ratio: 2.90-5.50:1
<b>Optical Zoom</b>	1.26x~1.9x
<b>Digital Zoom</b>	-5% V/H ~ +40%V/H
<b>Remote Control</b>	IR and wired remote
<b>Noise Level</b>	35 Typical (570W) 33 Eco (300W)
<b>Operating Temperature</b>	41~104°F (5~40°C)
<b>Power Supply</b>	AC input 100~240V @ 50~60 Hz, auto-switching
<b>Power Consumption</b>	570W ± 15% Max (Bright), 300W ± 15% Max (ECO)
<b>High Altitude</b>	Operating temperature 5000 ft~10,000 ft at 41~86°F (5~30°C)
<b>Light Source Technology<sup>2</sup></b>	Laser Phosphor

### COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	UXGA, SXGA, XGA, SVGA, VGA, WXGA, HD, WUXGA, Mac
<b>Video Input Compatibility</b>	SDTV / EDTV / HDTV
<b>User Controls</b>	LAN, RS-232, IR individually or over HDBaseT
<b>I/O Connection Ports</b>	<b>Input</b> 1x HDMI (version 1.4) (with locking screw) 1x DVI-D (only support digital signal) 1x VGA (D-Sub 15pin) (Computer In) 1x HDBaseT 1x Component (Y/Pb/Pr) <b>Output</b> 1x VGA Out (Support VGA loops through to monitor) (Monitor Out) <b>Control</b> 1x RS232 (D-sub 9 pin) (PC Control) 1x Wired in (3.5mm phone jack) (Remote In) 1x Wired out (3.5mm phone jack) (Remote Out) 1x USB type A (for WiFi dongle purpose) 1x Mini USB (for LAN FW upgrade only) (Service) 1x IR Receiver (On the Front side and Top side) 1x RJ45 (LAN)
<b>Wireless Compatibility</b>	WHD200 (Source lock on), HDCast PRO - BLACK, Chromecast™, FireTV™ Stick

### PHYSICAL SPECIFICATIONS

<b>Security</b>	Kensington® lock port, security bar
<b>Weight</b>	40 lb (18 kg) without lens
<b>Dimensions (W x H x D)</b>	19.1" x 7.7" x 20.1" (485 x 196 x 510 mm)

#### Warranty

3 year or 20,000 hour light source warranty (whichever comes first), 3-year Optoma Express advance exchange warranty on the projector.

#### In the Box (Standard Accessories)

ZU650+ projector, AC power cord, VGA cable, remote control, batteries, multilingual CD-ROM user's manual, basic user manual, and warranty card

#### Optional Accessories

Universal ceiling mount, Optoma screen, wireless HDMI system, Optional lenses

#### Accessory Part Numbers

Remote: SP.72N03GC01  
 Universal ceiling mount: BM-9004U  
 Wireless HDMI system: WHD200, HDCast PRO - BLACK  
 Lenses: BX-CAA01, BX-CAA02, BX-CAA03, BX-CTA13, BX-CTA15

UPC 796435 44 097 8

<sup>1</sup> Portrait orientation must follow the recommended positions, for further information please consult with the User Manual.

<sup>2</sup>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.