

# WUXGA Professional Installation Laser Projector ZU850



Spectacular image quality, high brightness, and state-of-the-art laser technology with low maintenance



- Sharp and luminous image with 8,000 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
- Robust connectivity, including HDMI, HDBaseT, 3G-SDI and wireless mirroring via USB adapter
- Multiple interchangeable optical lens options with 24/7, 360° and portrait mode operation

PRO SCENE



HDMI  
HIGH DEFINITION MULTIMEDIA INTERFACE

Full 3D

WIDESCREEN  
16:10  
ENHANCED

CRESTRON  
RoomView  
CONNECTED



IPLINK

PJLink

HDBT

3G SDI

DuraCore  
LASER



The Optoma ZU850 is an 8,000 lumen WUXGA professional installation projector designed for large meeting rooms, museums, auditoriums, houses of worship and broadcast environments demanding vibrant colors, consistent brightness and stunning quality. Laser phosphor technology delivers powerful brightness with up to 20,000 hours of operation.

It's engineered to suit complex installation requirements for professional image projection. The dust-sealed and filter-free design with IP6X certification keeps the optical system performing optimally with minimal maintenance. A variety of premium lens options, motorized lens-shift, zoom and focus with 360° and portrait operation ensure installation flexibility for virtually all needs.

## CONNECTIVITY (May require optional accessories)



Computers



Smart  
Phones



Tablets



3D Blu-ray/DVD Players



Broadcasting  
Camera



Apple TV®



Chromecast™

# WUXGA PROFESSIONAL INSTALLATION LASER PHOSPHOR PROJECTOR - ZU850

## OPTICAL/TECHNICAL SPECIFICATIONS

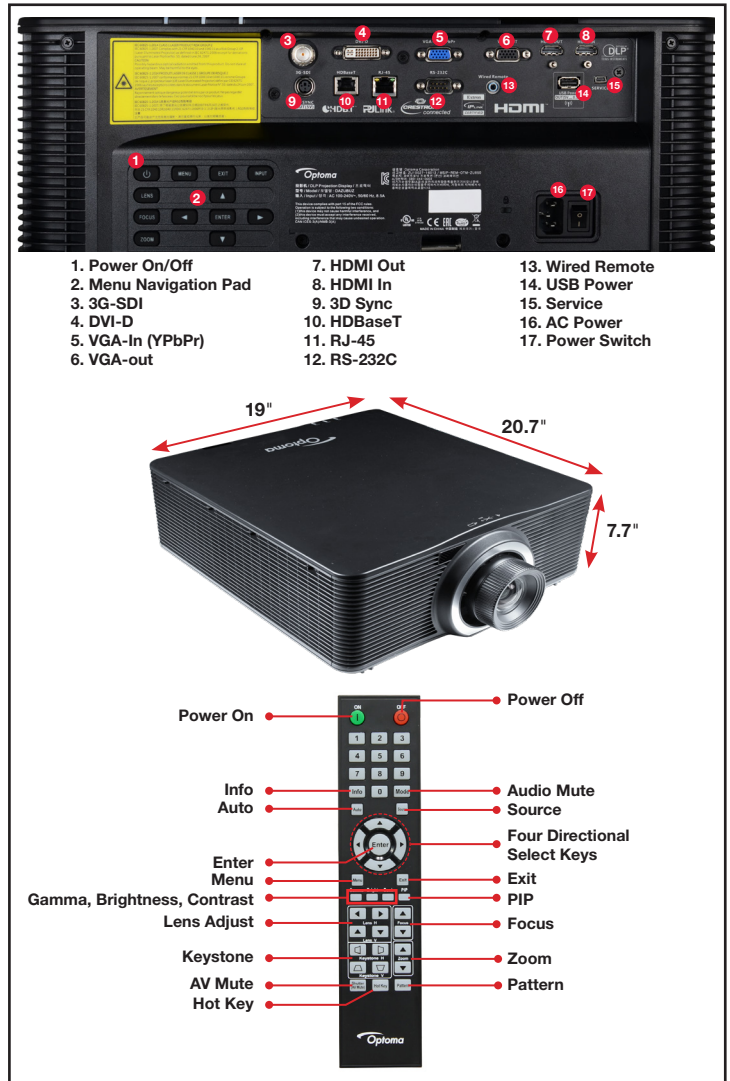
<b>Display Technology</b>	Single DMD, 0.67" WUXGA DMD, Type A, DC3 DLP® Technology by Texas Instruments™
<b>Native Resolution</b>	1920 x 1200 WUXGA
<b>Maximum Resolution</b>	1920 x 1200 WUXGA
<b>Brightness</b>	8000 ANSI lumens
<b>Contrast Ratio</b>	2,000,000:1 (Extreme black enabled) 2000:1 (full on/full off)
<b>Lamp Life and Type*</b>	Up to 20,000 hrs
<b>Projection Method</b>	Front, rear, ceiling mount, table top, 360° and portrait mode operation capable
<b>Keystone Correction</b>	V: +/- 20 %, H: +/- 20 %
<b>Vertical and Horizontal lens shift</b>	±50% Vertical ±15% Horizontal
<b>Uniformity</b>	80%
<b>Aspect Ratio</b>	16:10 (Native), 16:9, 4:3, Auto
<b>Throw Ratio</b>	0.36:1–5.5:1 (dependent on installed lens)
<b>Image Size</b>	50" - 300"
<b>Projection Distance</b>	2.6'–115' (0.8 ~35 m)
<b>Projection Lens</b>	Interchangeable lenses (lens not included)
<b>Lens Options:</b>	BX-CTA16: 0.36:1 BX-CTA15: 0.75-0.95:1 BX-CAA01: 0.95-1.22:1 BX-CAA06: 1.22-1.52:1 BX-CAA03: 1.52-2.92:1 BX-CTA13: 2.90-5.50:1 BX-CTADOME: Dome projection
<b>Optical Zoom</b>	1.25x - 1.9x (dependent on installed lens)
<b>Noise Level</b>	32dB
<b>Remote Control</b>	Full Function wired remote
<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>	770W (Bright), 395W (ECO)
<b>High Altitude</b>	Must manually switch to high altitude mode from 5000 feet and above (using OSD)

## COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	HD, WUXGA, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA resized, VESA, PC and Mac compatible
<b>Video Compatibility</b>	NTSC, PAL, SECAM, SDTV (480i), EDTV (480p), HDTV (720p, 1080i/p)
<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 13 languages
<b>I/O Connection Ports</b>	1 x HDMI in (version 1.4), 1 x DVI-D (only support digital signal), 1 x VGA in (D-Sub 15pin) (computer in or component), 1 x HDBaseT, 1 x 3G-SDI, 1 x VGA out (support VGA loops through 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), 1x wired remote in (3.5mm phone jack) (Remote In), 1 x USB-type A (for WiFi adapter), 1 x mini USB (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" (482mm x 195mm x 525mm - with elevators)



### 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 (Standard Accessories)

ZU850 projector, AC power cord, VGA to VGA cable, remote control, batteries for remote, multilingual CD-ROM user's manual, quick start card, and warranty card

### Optional Accessories

Universal ceiling mount, DLP@Link™ 3D glasses, wireless adapter, remote, HDBaseT transmitter

### Accessory Part Numbers

Ceiling mount: BM-9011N  
Remote: BR-3074W  
DLP@Link™ 3D glasses: ZD302  
Wireless: WUSB-PRO  
HDBaseT transmitter: 4K100TX

UPC 796435 44 044 2

\*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

†3D content can be viewed with either RF or DLP Link active shutter glasses when projector is used with a compatible 3D player. RF 3D glasses require the use of the RF 3D emitter. Please visit [www.OptomaUSA.com](http://www.OptomaUSA.com) for more information

Portrait orientation must follow the recommended positions, for further information please consult with the User Manual