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ZU660

Build to perform and last in the demanding professional installation place

DuraCore LASER — DuraCore Laser Technology

IP RATED — IP5X Optical Engine

Lens Interchangeable — Lens exchangeable

FREE — Maintenance Free

Versatile Installation

24/7 — 24/7 Operation

COMPACT Design

Full Lens Shift — Full Lens Shift

3D — 3D supported

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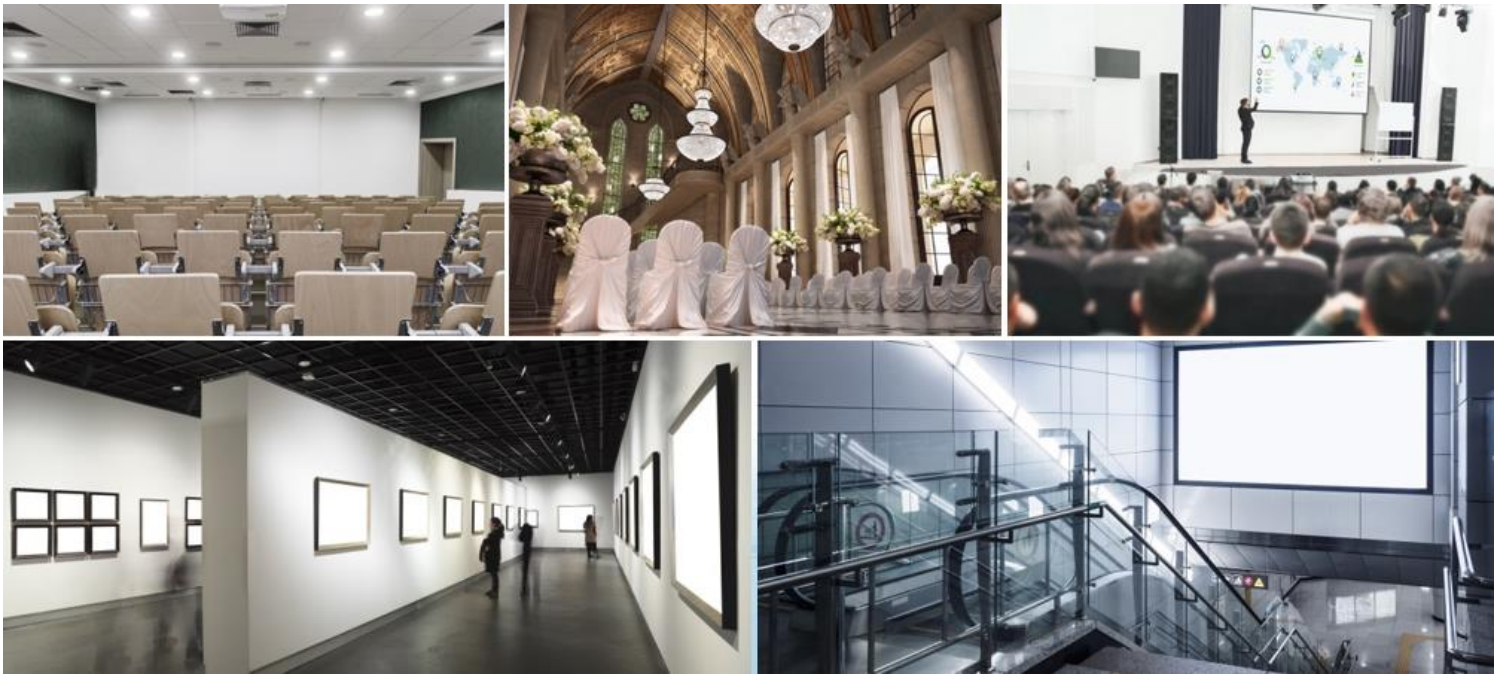
Professional Installation Applications

Delivering outstanding reliability, high brightness, stunning colors and spectacular image quality, the ZU660 is precision engineered to power larger than life experiences. Optoma's ZU660 is the perfect solution for museums, boardrooms, higher education, auditoriums, houses of worship, Theme parks, projection mapping, digital signage, exhibitions, stage shows, simulation, and live events.



DuraCore Laser Technology – Brighter for longer

Industry leading lifetime is achieved using Optoma's new DuraCore technology. Implementing advanced laser diode cooling techniques and an innovative dust resistant design, and light source lifetime at 20,000 hours.

Airtight optical engine

Precision engineered with an IP5X Certified system, the ZU660 has an airtight engine that resists dust particles and ensures a long lasting, reliable and practically no maintenance light source of up to 20,000 hours. The ZU660 laser light source is free of mercury and environmentally friendly compared with traditional lamp-based projectors.

Compact Form Factor & Lowest Noise Level in its Class

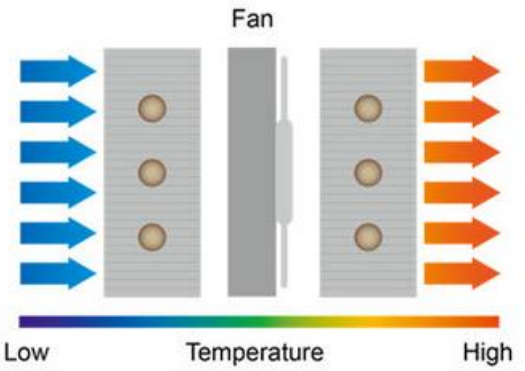
Thanks to its sophisticated thermal engineering, the ZU660 has the most compact size among the 6K lm range laser projector products. This will save labor and equipment costs during installation. Due to the 10% higher heat dissipation, the ZU660 produces less noise than the competition.

Sandwich structure

A complete reconfiguration of the heat pipes, fan and thermal fins enables an additional 10% total system heat dissipation.

V-shape structure on thermal fins

Precision etched thermal grooves on each individual fin take 10% more heat away from the system and results in 2% increase in brightness.



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Total cost of ownership

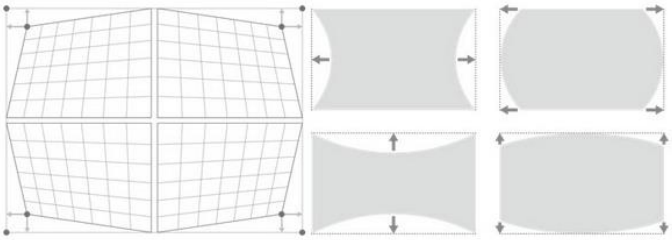
For demanding applications the total cost of ownership of a projector is not in the purchase cost, but in expensive maintenance and service. The ZU660 requires very little maintenance; have no user serviceable parts inside and no filters that require periodic replacement. The result is low cost, predictable service cycles, enabling planned down time to be minimized.

24/7 operation

The ZU660 is designed for continuous 24/7 operation. Only industry proven components are used to ensure superior reliability.

Warping

4-corner adjustment, Pincushion adjustments, Horizontal/Vertical keystone adjustments to fit all scenario needs.



Color matching

The ZU660 has a color matching system, which combined with accurate measurements can create seamless blends every time.

Without color matching

With color matching

Precision optics

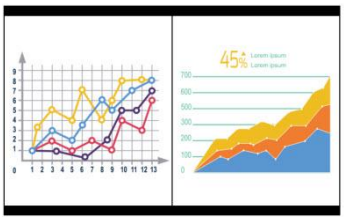
High quality optical elements maintain optimum sharpness and focus uniformity over the entire image. Uncompromising optical quality delivers extremely low color flare and chromatic aberration resulting in a crystal clear, high contrast image.

360° and portrait projection capability

Images can be projected over a full 360° range along the vertical axis, including reproduction on a ceiling or floor. The projector can also be placed in portrait mode for applications such as digital signage or for tall thin projection areas.

Picture by picture / picture-in-picture

The ZU660 supports picture-by-picture and picture-in-picture. Signals can be delivered simultaneously via the HDMI and DVI ports, for a PbP or PiP display from two digital sources – perfect for video-conferencing and other collaborative applications.



Versatile System Integration Control Protocols

Crestron RoomView, Extron's IP Link, AMX dynamic device discovery and PJ-Link protocols are fully supported, allowing nearly all aspects of the ZU660 to be controlled across a network, keeping you in control, wherever you are.

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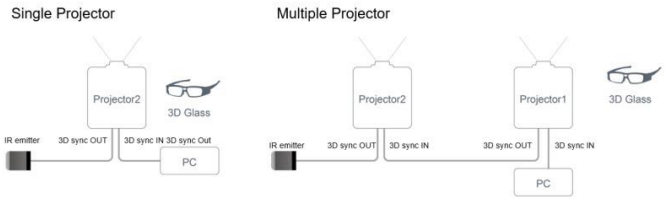
HDBaseT

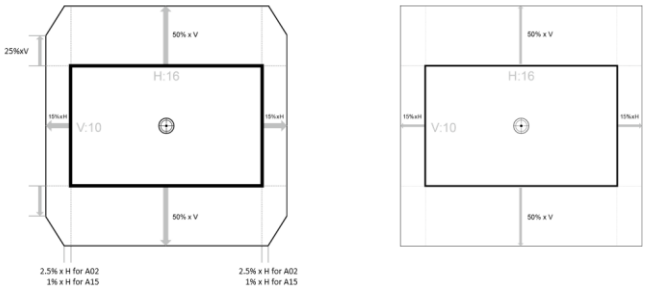
Uncompromised, uncompressed Full HD video, audio, network and control commands all delivered on a single CAT- type cable capable up to 100 meters/328 feet without signal loss makes installation hassle-free. HDBaseT simplifies cabling requirements and reduces installation complexity saving both time and reducing costs.

3D Sync In & Out

Flexibility for projects with complex 3D set up to ensure the projectors and the 3D shutter glasses are in sync.



Full Lens Shift Range



A02/A15

A01/A03/A13

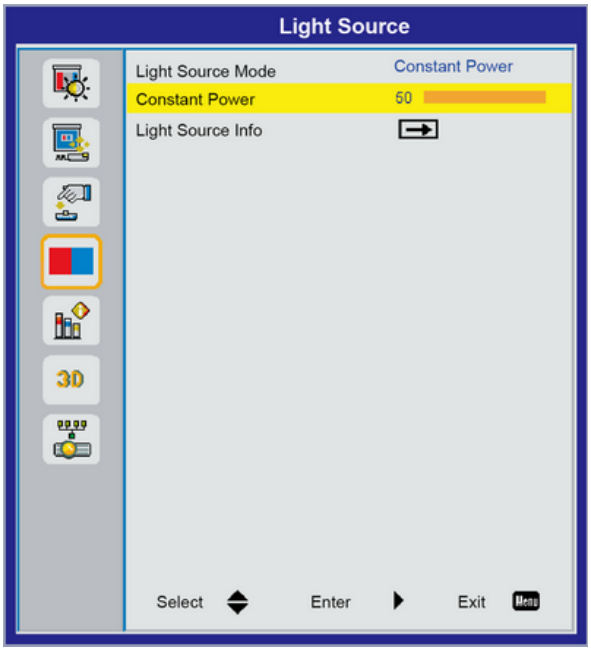
Constant Power Mode

There are 100 adjustable steps to control the laser power from 30%~100%. It means the brightness can dim to 30% of full brightness if the application requires.

Constant Intensity Mode

This mode is used when there is a need to boost brightness.

- Eco 1 : 80% of original brightness
- Eco 2 : 50% of original brightness



Extreme Black

In situations where only absolute darkness is required, the ZU660 can provide a total blackout that functions like mechanical shutter.

Lens options

Projection Lens	A01	A02	A03	A13	A15	A16
Lens Type	Wide Zoom	Standard	Long Zoom	Ultra-Long Zoom	Short Throw	Ultra Short
Image						
Throw Ratio	0.95-1.22	1.22-1.52	1.52-2.92	2.90-5.50	0.75-0.95	0.37
F number	2.30-2.57	2.00~2.32	2.30-3.39	2.30-2.74	2.30-2.53	2.4
Zoom Ratio	1.28X	1.25X	1.9X	1.9X	1.26X	n/a
Throw Distance	1.02~7.88m	1.31~9.89m	1.64~18.87m	3.12~35.54m	0.81-6.13m	0.93-2.62m
Screen Size	50" – 300"	50" – 300"	50" – 300"	50" – 300"	50" – 300"	120" – 350"
Weight (Kg)	0.6	0.4	0.8	1.0	0.7	2.7

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Specifications			
Native Resolution	WUXGA 1920 x 1200	Keystone Correction	±20° vertical, ±20° horizontal
Brightness	6,500 center lumens (6,000 ANSI)	Aspect Ratio	16:10
Contrast Ratio	2,000,000:1 (w/ Extreme Black), 2,000:1 (Full ON/OFF)	Projection Screen Size	50" ~300"
Projection Lens	Six lens options - no lens supplied as standard	Security	4-digit PIN code, Kensington lock port, security bar
Throw ratio	0.361 ~ 5.50 “lens dependent”	Projection Distance	Dependent on lens
Zoom type	Motorized	Uniformity	90%
Offset	Dependent on lens	Display Colors	1073.7 Million
Lens Shift	Dependent on lens	Horizontal Scan Rate	15 ~91 KHz
Light Source Life	20,000 hours	Vertical Scan Rate	24~85 Hz (120Hz for 3D)
Light Type	Laser Phosphor	Noise Level (Eco)	34 dB
3D Support	Full 3D	Weight (Kg)	17
Connections	HDMI x2, VGA, DVI-D, HDBaseT, VGA out, RS232C Wired Remote in, 3D Sync in, 3D Sync out , RJ45	Computer Compatibility	WUXGA, HD, UXGA, WXGA, SXGA+, SXGA, XGA, SVGA, VGA Resized, VESA, PC and Macintosh Compatible
Video Compatibility	PAL (625/576i/p), SECAM, NTSC (525/480i/p), HDTV (720p, 1080i/1080p)	3D Compatibility	Side-by-Side: 1080i50 / 60, 720p50 / 60 Frame-pack: 1080p24, 720p50 / 60 Over-Under: 1080p24, 720p50 / 60
Size (W x D x H mm)	484 x 509 x 185mm without lens/elevators	Power Supply	100-240V, 50-60Hz
Power Consumption	650W +/- 15% @110V (Normal Mode) 470W +/- 15% @110V (Eco Mode) 620W +/- 15% @220V (Normal Mode) 455W +/- 15% @110V (Eco Mode)	Operating Temperature	for 0 ~ 2500 ft, 5 ~ 40°C for 2500 ~ 5000 ft, 5 ~ 35°C for 5000 ~ 10000 ft, 5 ~ 30°C