ULTRA BRIGHT SERIES

Laser projection designed exclusively for sophisticated applications

ZU1700 / ZU1900 / ZU2200

DuraCore LASER

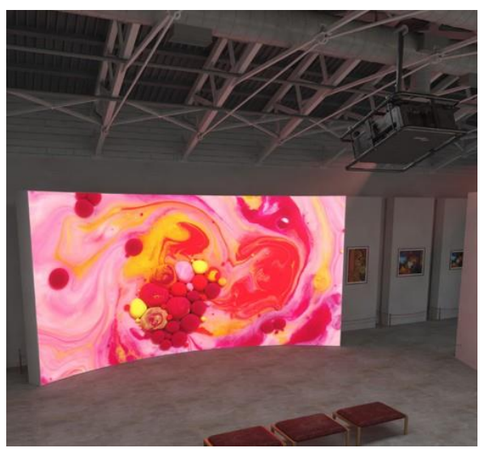
LASER PROJECTION UP TO 22,000 LUMENS

The Optoma Ultra Bright Series professional laser projectors fill a need for high-end installations, including the entertainment, exhibition, and digital signage markets. At 17,000, 19,000 and 22,000 lumens respectively, these projectors establish an incredibly high brightness benchmark to the category, as well as extreme flexibility with eight interchangeable lenses to meet the needs of even the most complex installations.

As part of the Optoma DuraCore laser line up, the Ultra Bright Series high-performance projectors feature 4K HDR compatibility, pure engine video processing and color matching to produce visually striking, lifelike images with exceptional detail and high color accuracy. Additionally, it's also achieves superior color rendition through MultiColor Laser (MCL) technology.

Strong reliability is at the core of the Ultra Bright Series projectors, with 24/7 operation capabilities, up to 30,000 hoursof laser lifetime, and an IP5X rating for optimal and dependable performance, even under more extreme conditions up to 122 degrees Fahrenheit / 50 degrees Celsius. With a robustmetal chassis and modular design for easier maintenance, a multitude of connectivity options, and failsafe redundancymode for instant source switching, the Ultra Bright Series projectors offer a solution for intricate installations, includingmulti-projector and dome projection applications.

UNLOCK A WORLD OF POSSIBILITIES



- High brightness WUXGA DLP laser projectors
  - Up to 22,000 lumens
- Extreme installation flexibility
  - Eight interchangeable lenses
- Ultimate reliability
  - Built-in redundancy mode
- Striking lifelike images
  - Pure engine video processing and color matching

DELIVERING EXTREME FLEXIBILITY TOHIGH END INSTALLATIONS

Redundant input with fast switching

The unique signal input detection function provides instant source switching in the event of the failure of the signal sourcedevice. This feature ensures an image never fails to display in mission critical installations such as control rooms, live events or other similar scenarios.

Integrated warping and edge blending processor

This feature enables multiple projectors to be warped and blended without additional dedicated hardware, reducing the cost and complexity of installation. Warping and edge blending is configured using either the projectors on screen display or with PC software.* Combine the integrated camera with Optoma Visual Suite** software for seamless setups and calibration.

**Compatible multi output graphics card with overlap function is required.*

***Visual Suite software will be available in early 2022 via FW update.*

Passive 3D compatibility

Passive 3D is now available on single chip DLP laser phosphorprojectors. Thanks to the high efficiency light output, these models enable effective 3D solutions for operators to reduce total cost of ownership.

Metal chassis with modular design

The modular metal chassis panels and quick release screws make routine maintenance easier than ever before.

Wide temperature operating range

Suitable for various operating environments, the robust and efficient cooling design enable the projectors to withstand an ambient operating temperature range of 32-122F.

DuraCore Laser technology

Industry leading lifetime is achieved using Optoma's DuraCore Laser technology. Implementing advanced laser diode cooling techniques and an innovative dust resistant design, the Ultra Bright Series offer an IP5X rating and 24/7 operation capabilities. This ensures true maintenance-free projection forup to 30,000 hours.

HDR compatible

Capable of receiving and displaying HDR meta data, Optoma HDR compatible projectors allow you to see far more detail and texture. Objects look more solid and life like and the extradetail creates a greater sense of depth.

Extreme Black

Extreme black enables the laser diodes to completely turn off when a full black image frame is detected. This feature is perfect for situations where a total image blackout is required.

HDBaseT™

Uncompromising, uncompressed Full HD video, audio, network and control commands all delivered on a single CAT- type cable capable up to 100 metres /328 feet without signal loss for a hassle-free installation. HDBaseT™ simplifies cablingrequirements and reduces installation complexity saving time and reducing costs.

Color Management System (CMS)

Display accurate lifelike colors to best match your viewing environment. This unique feature provides the flexibility to fine-tune color settings for optimal precision.

Constant power

This enable users to set the power levels to meet individual installation requirements. Power levels can be managed to obtain the brightest picture or longest light source life - or anywhere in-between.

Constant brightness

Advanced light sensing technology allows the setting of brightness levels that will remain unchanged over time. Ideal for ensuring constant brightness in any installation.

True AV mute

True AV mute enables the light source of the projector to be instantly switched off and on at the press of a button. Unlike standard AV mute functionality no light is emitted from the projector, this gives 100% blackout on screen.

Full lens shift and lens memory

Simplify installation with full lens shift for a wider range of projector placement possibilities. This makes it easier to position the projector in your room and enables a wider rangeof screen size options.

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 - perfectfor video-conferencing and other collaborative applications.

360 projection

Images can be projected over a 360° range*** along the projector's horizontal axis.

****For more information please refer to the user manual.*

Portrait projection

Ideal for digital signage applications as this enable the projector to be rotated 90 degrees to project a portrait image.

IP5X dust resistant optical engine

The Optoma Ultra Bright Series projectors are independently tested and certified to IEC standard 60529. An IP5X rating provides outstanding dust resistance combined with exceptional brightness for industry leading durability; paramount for 24/7 maintenance free operation in challenging environments.

Control

Featuring a wide range of options you can control and monitor the projector remotely.

- Optoma Management Suite (OMS)™ - Streamline operations by monitoring, diagnosing and controlling audio visual displays via a local area network from a single platform and location. OMS is the first management solution that is compatible across multiple display technologies such as projection, interactiveflat panels and LED displays.
- RS232 - Optoma projectors come with an extensive set ofRS232 commands making it simple and easy to manage using any control system.
- AMX compatible - Dynamic discovery protocol is incorporated into the projector allowing for easy installationwith AMX control systems.
- Crestron RoomView - Using the compatible RoomView® software you can power on/off, monitor, manage and control up to 250 projectors at the same time from any computer
- Extron IPLink compatible - This enables easy installationwith Extron control systems.
- Telnet - The Ultra Bright Series projectors are able to receive commandsvia Telenet allowing for easy installation with Telnet compatible control systems.
- PJLink - This protocol is incorporated into the projector allowing. for easyinstallation with PJLink compatible control systems.

Projector Specifications

Model Name	ZU2200	ZU1900	ZU1700
Resolution	WUXGA (1,920 x 1,200)		
Display Technology	Single 0.96" DMD		
Brightness	22,000 lm	19,000 lm	17,000 lm
Contrast	2,000,000 : 1		
Power Consumption (40 degree in high altitude)	1650W @220V AC (Bright mode)	1400W @110V AC (Bright mode)	1200W @110V AC (Bright mode)
	1900W @220V AC (Super Bright Mode)	1350W @220V AC (Bright mode)	1150W @220V AC (Bright mode)
Light Source	DuraCore MultiColor Laser	DuraCore Laser	
Light Source Life	Up to 30,000 hours (Eco mode)		
Native Aspect ratio	16:10		
Digital keystone Correction	Horizontal ±20%, Vertical ±20%		
Image Processing	Embedded warping and blending		
Camera Module	Embedded Camera Module (Support Auto Focus & Auto Color Uniformity function in OSD)		
Temperature	Operating: 0 ~ 50 °C Storage: -10°C ~ 60°C		
Humidity	Operating: 10~85% RH, non-condensing Storage: 5~90% RH, non-condensing		
Optical Lens Shift	Vertical:+-60% , Horizontal : +- 25% (Full height , Full width) Vertical:+-120% , Horizontal : +- 50% (Half height , Half width)		
Orientation	360 degree rotation , no restrictions		
3D	Active & Passive 3D		
Lens Options	BX-CTA11 (0.65~0.75 : 1) / BX-CTA18 (0.84~1.02 : 1) BX-CTA19 (1.02~1.36 : 1) / BX-CTA20 (1.2~1.5 : 1) BX-CTA21 (1.5~2.0 : 1) / BX-CTA22 (2.0~4.0 : 1) BX-CTA23 (4.0~7.2 : 1) / BX-CTA27 (7.2~10.8 : 1)		
Noise	40 dB (eco)	36 dB (eco)	36 dB (eco)
Net Weight	54 kg	50 kg	50 kg
Size (WxDxH)	650(W) x 682(D) x 300.9(H) mm (w/o lens, with feet) 650(W) x 682(D) x 250.9(H) mm (w/o lens, w/o feet)		
I/O	2 x HDMI 2.0b 1 x DP (DisplayPort 1.2a) 1 x DVI-D 1 x VGA In (D-Sub 15pin) 1 x HDBaseT 1 x 3D SYNC In 1 x 3G-SDI (Support 100m long cable) 1 x HDMI Out (Compliant with HDMI 2.0b) 1 x 3D SYNC Out 1 x 12V trigger (phone Jack) 1 x 3G SDI Out 2 x RS232C (PC Control) in /out 1 x RJ45 (LAN) 2 x IR Receiver (On the Front side and Top side) 2 x Wired Remote in/out 1 x USB type A。		