

4K UHD PROFESSIONAL INSTALLATION PROJECTOR 4K500



Spectacular graphics, text, and video quality with 4K UHD resolution



- Native 4K UHD 3840x2160 2160p
- Bright 5,000 lumens, HDR compatible with BT.2020 coverage
- 2.0x Motorized Zoom and Focus with high optics performance
- Four digital ports including HDMI 1.4a and 2.0 with HDCP 2.2
- Vertical and Horizontal lens shift for flexible installation
- Pure Motion and UltraDetail for smooth image reproduction

PROSCENE



The Optoma 4K500 is a state-of-the-art 4K Ultra High Definition (UHD resolution) installation projector engineered to deliver crisp, ultra-sharp images and presentations with a high level of detail and astounding color. With 4 times the pixel count of a 1080p projector, a resolution of 3840x2160 pixels, 5000 lumens, and advanced optics, the 4K500 delivers razor sharp text in PowerPoint presentations and Word documents in addition to cinematic video in breathtaking color for large venues, meeting rooms, houses of worship, and post production screening rooms.

The 4K500 is powered by a revolutionary Texas Instruments 4K DLP UHD chipset with a high performance DMD. This technology utilizes XPR video processing with fast switching to display 8.3 million distinct pixels. Offering High Dynamic Range support in the form of HDR10, with a vertical and horizontal lens shift, and a powerful 2.0x zoom, the 4K500 has been crafted to deliver the definitive 4K UHD HDR experience.

High Dynamic Range (HDR) leverages BT.2020 wide color gamut coverage to deliver bright whites, deep black levels, and life-like, real world color. Pure Motion and UltraDetail features deliver stunning image reproduction for any video content. In addition, the 4K500 is equipped with RS232 and RJ45 ports for full control and remote administration.

CONNECTIVITY (May require optional accessories)



4K UHD Blu-ray Player



4K Game Console



4K Camera



4K Media Streaming



Computers

4K UHD PROFESSIONAL INSTALLATION PROJECTOR - 4K500

OPTICAL/TECHNICAL SPECIFICATIONS

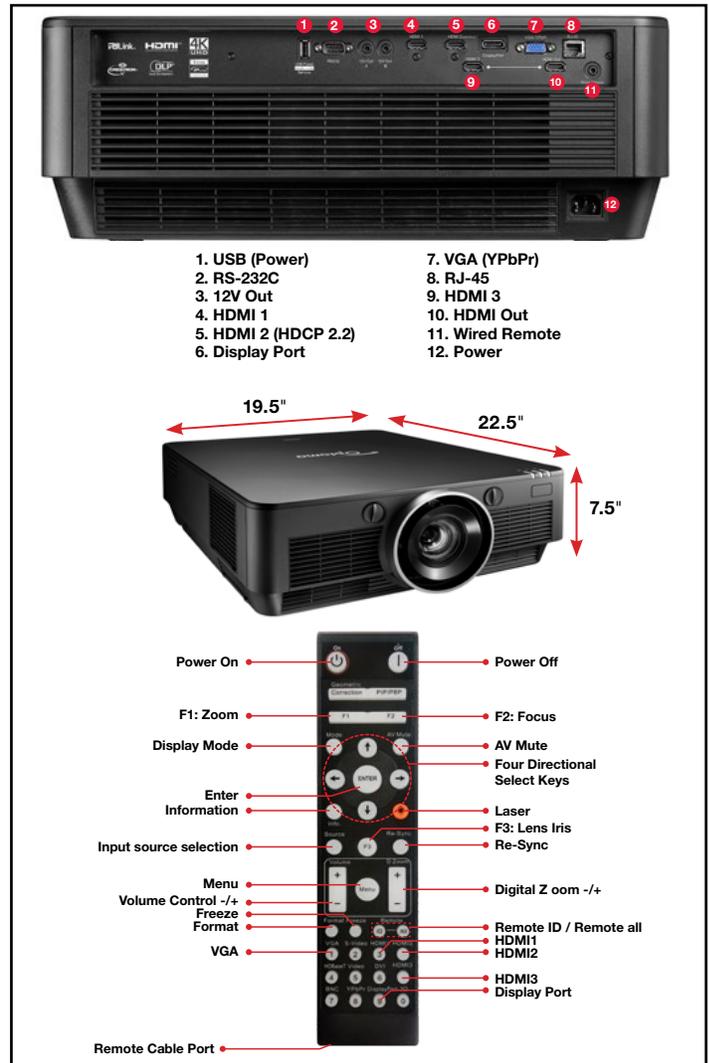
Display Technology	"Single 0.66" TRP S610 4K UHD DMD DLP® Technology by Texas Instruments™
Native Resolution	4K UHD 3840x2160 @ 60Hz with XPR Technology
Maximum Resolution	4K 4096x2160 @ 60Hz with XPR Technology
Brightness	5000
Contrast Ratio	5000:1
REC.709 Color Gamut (non-HDR content)	REC.709 color gamut provides rich accurate color based on the HDTV Broadcast Specification. REC.709 will be used with all non-HDR content.
HDR (High Dynamic Range)	HDR Compatible (decode HDR10 metadata) / 4 Picture Modes
REC.2020 HDR color gamuts	REC.2020 will be used anytime the source content contains HDR metadata.
HDR Compatibility	HDR Source: 4K UHD Blu-Ray Player (such as the Samsung UBD-K8500 Ultra or Oppo UDP-203), 4K UHD Streaming Media Device (such as the Roku 4K Ultra), Xbox One S (4K UHD Blu-ray, 4K Media Streaming, & Games), or PS4 Pro (4K Media Streaming and Games only) HDR Content: HDR 4K UHD Blu-ray Disc, HDR Xbox One S Game, HDR PS4 Pro Game, or 4K HDR Media Streaming Service such as Amazon 4K UHD HDR Video, Netflix 4K UHD HDR Video, or Hulu 4K UHD HDR Video
SDR to HDR (HDR Emulation, apply HDR to non-HDR content)	HDR Effects for non-HDR Content / 4 Effects
UltraDetail	Enhances image quality by improving image depth and clarity. 3 levels to choose from.
Color Depth	3840x2160 @30Hz YUV 4:4:4 (8bit, 10bit, 12bit), YUV 4:2:2 (8bit, 10bit, 12bit), YUV 4:2:0 (8bit, 10bit, 12bit) 3840x2160 @60Hz YUV 4:4:4 (8bit), YUV 4:2:2 (8bit), YUV 4:2:0 (8bit, 10bit, 12bit)
Lamp Life and Type*	2000/3000 (Bright/ECO)
Projection Method	Front, rear, ceiling mount, table top
Horizontal Lens Shift	35% offset (with tolerance +/- 5%)
Vertical Lens Shift	80% offset (with tolerance +/- 5%)
Uniformity	85%
Aspect Ratio	16:9 (native), 4:3, Auto, LBX (2160p and 1080p)
Throw Ratio	1.35 - 2.63 (with tolerance +/- 5%)
Image Size	84" - 300"
Projection Distance	8.2ft - 30ft
Projection Lens	F/2.5 - 2.67; F=19.975 - 39.811mm with Iris
Optical Zoom	2.0x
Digital Zoom	0.95x - 1.25x
Noise Level	32/35 dB (ECO/Bright) normal
Remote Control	IR Full Size Full Function Backlit Remote Control and Wired Remote
Operating Temperature	41-104°F (5-40°C), 85% max humidity
Power Supply	AC input 100-240V, 50-60Hz, auto-switching
Power Consumption	600W Typical (Bright mode), 660W Max (Bright mode), 480W Typical (Eco+ mode), 528W Max (Eco+ mode)
High Altitude	Operating Temp @ Sea Level to 10000 feet = 23C (max); must manually switch to high altitude mode @ 5000 feet & above (using OSD)

COMPATIBILITY SPECIFICATIONS

Computer Compatibility	UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible
Video Compatibility	UHD 2160p (24/50/60Hz), 1080p (24/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480i/p, 576i/p
Vertical Scan Rate	24Hz to 120Hz
Horizontal Scan Rate	31.0 to 135.0KHz
User Controls	Complete on-screen menu adjustment in 10 languages
I/O Connection Ports	2xHDMI 1.4a, 1xHDMI 2.0 (w/ HDCP 2.2 and Full 18Gbps), HDMI-Out, Display Port, VGA-In, USB-A Power, RJ45, Remote In (3.5mm), RS232C, 2x 12V Trigger, Jack 3.5mm

PHYSICAL SPECIFICATIONS

Security	Kensington® lock port, password (OSD)
Weight	36 lbs
Dimensions (W x H x D)	19.5" x 7.5" x 22.5" (with feet)



*Buttons without description are not applicable to this model.

Warranty

3 Year Optoma Express Warranty/1Year Lamp

What's in the Box (Standard Accessories)

4K500, lens cap, AC power cord, IR wireless remote control, batteries for remote, multilingual CD-ROM, user's manual, quick start card, and warranty card

Optional Accessories

Universal ceiling mount, IR/Wired Remote, Lamp

Accessory Part Numbers

Lamp: BL-FU465A
Remote: BR-3075W
Ceiling mount: BM-9004U

UPC 796435 44 059 6

*Lamp life is dependent on many factors, including lamp mode, display mode, usage, environmental conditions and more. Lamp brightness can decrease over time.

www.OptomaUSA.com

