

# 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 an additional remote cord is included for installations where IR interference limits remote functionality.

### 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

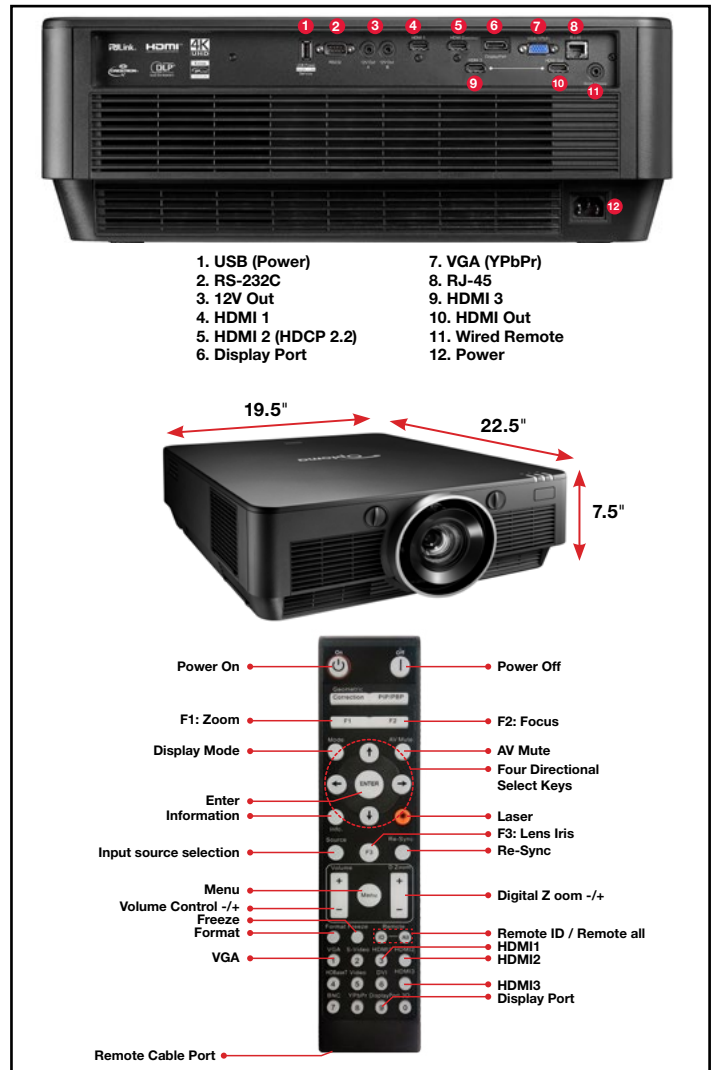
<b>Display Technology</b>	"Single 0.66" TRP S610 4K UHD DMD DLP® Technology by Texas Instruments™
<b>Native Resolution</b>	4K UHD 3840x2160 @ 60Hz with XPR Technology
<b>Maximum Resolution</b>	4K 4096x2160 @ 60Hz with XPR Technology
<b>Brightness</b>	5000
<b>Contrast Ratio</b>	5000:1
<b>REC.709 Color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

## COMPATIBILITY SPECIFICATIONS

<b>Computer Compatibility</b>	UHD 2160p, WUXGA, HDTV 1080p, UXGA, SXGA, WXGA+, WXGA (1366x768), WXGA, HDTV (720p), XGA, SVGA, VGA, PC and Mac compatible
<b>Video Compatibility</b>	UHD 2160p (24/50/60Hz), 1080p (24/50/60Hz), 1080i (50/60Hz), 720p (50/60Hz), 480i/p, 576i/p
<b>Vertical Scan Rate</b>	24Hz to 120Hz
<b>Horizontal Scan Rate</b>	31.0 to 135.0KHz
<b>User Controls</b>	Complete on-screen menu adjustment in 10 languages
<b>I/O Connection Ports</b>	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

<b>Security</b>	Kensington® lock port, password (OSD)
<b>Weight</b>	36 lbs
<b>Dimensions (W x H x D)</b>	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, remote cord (wired option), 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

