

Transform Any Space into an Immersive Experience

Featuring stunning 4K UHD visuals, a powerful 6,500 lumens of brightness, and OptiBright* technology, the UHL3660 delivers laser-sharp imagery and long-lasting performance.



Ultra Short Throw Lens Technology

Whether you're delivering engaging presentations in the boardroom, designing an immersive digital gallery experience, or bringing cinematic quality to your home theater, Ricoh's Ultra Short Throw Lens creates large-scale displays, even in confined spaces. Featuring an ultra low throw ratio of just 0.24, the UHL3660 projects immersive, captivating displays up to 160" from just centimeters away.



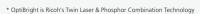
4K UHD Laser Projection

Experience the clarity of 4K UHD resolution with advanced 4-way pixel-shift technology, delivering razor-sharp images and vibrant, lifelike detail in every frame.



Featuring OptiBright* Technology

OptiBright* technology utilizes dual laser light sources and phosphor wheels to maximize light-efficiency and deliver an ultra-bright 6,500 lumens, creating vibrant visuals for up to 40,000 hours, maintenance free.





HDR Support & Dynamic Image Adjustments

Enhance your viewing experience with HDR support and advanced image presets, and tailor every detail to your environment with a range of dynamic image adjustments.



Wireless Projection with Miracast™

Effortlessly project content wirelessly from your Windows or Android device with Miracast™ compatibility.



Versatile Integration for Any Environment

Project immersive displays ranging from 85" to 160" and adapt to any environment with 360-degree installation support, HDMI 2.0 and HDBaseT connectivity, and seamless compatibility with both Ricoh and third-party AV control systems.

Ricoh UHL3660 Specifications





Model: RICOH PJ UHL3660

Part Number	422694		
	432684		
Projection System	DLP		
Chip Size	0.65 "		
Brightness	6,500 Lumens		
Contrast Ratio	5,000,000:1		
Aspect Ratio	Auto (16:9, 16:10, 4:3)		
Resolution	4K (3840 x 2160 pixels)*1		
Light Source	Laser		
Light Source Lifetime	Constant Power: 20,000 hours Constant Luminance ¹² : 26,000 hours Eco Mode ¹² : 30,000 hours Long Life Mode ¹² : 40,000 hours		
Image Size (Diagonal)	85-160 inch		
Projection Distance (Projector Body to Screen)	.39 – 14.96 inches (1 – 38cm)		
Projection Distance (Lens to Screen)	18.20 – 32.67 inches (46 – 83 cm)		
Throw Ratio	0.241		
Color Reproduction	Up to 1.07 billion colors		
Focus	Powered		
Zoom Ratio	Fixed		
Lens Shift	Fixed		
Geometric Correction	Keystone (Horizontal: ±15 degree / Vertical: -20,+5 degree)		
	Four Corner Correction Six Point Correction Grid Adjustment		
Portrait & 360-Degree Projection	Supported		
Multi-Projection/ Edge Blending	Supported		

(*1) 4K UHD Resolution achieved using 4-way pixel-shifting technology with a native 1080p DMD chip. (*2) In this mode, brightness is lower compared to Constant Power mode.

Input	HDMI 2.0 / HDCP 2.2 x2 HDBase-T RJ45 ^{*3} USB typeA		
Wireless Projection	Supports Miracast™ (2.4GHz / 5GHz) for Windows & Android		
Output	HDMI Out (HDMI 2.0 / HDCP 2.2) 3.5mm mini jack		
Control	Wired LAN RJ45 (for PJ control and firmware updates)		
	D-sub 9pin (RS232C) Wired Remote (3.5mm mini jack)		
Other	USB Micro-B (for service) USB typeA 5V 2A (for USB memory and power)		
Noise Level	Standard: 36dB / Eco: 32dB		
Dimension (WxDxH) (without feet)	20.87 x 18.50 x 5.47 inches (530 x 470 x 139 mm)		
Weight (Projector)	25.4lbs (11.5kg)		
Environmental Conditions	32°F to 104°F (0°C to 40°C) up to 5,000 ft 32°F to 95°F (0°C to 35°C) from 5,001 to 10,000 ft		
Power Supply Voltage	100-240V 50/60HZ		
Power Consumption	Constant Power: 460W (100V) / 460W (110V) / 445W (220V) / 445W (240V) Eco: 225W (100V) / 225W (110V) / 220W (220V) / 220W (240V)		
Stand-by Power Consumption	<0.5W		
Dust-Proof	IP6X Equivalent*4		
High Altitude Mode	Supported		
Audio	3W×2, 5W×1 Stereo Speakers		

- Stated lumen ratings are based on ANSI standard.
- The above appearances and specifications are subject to change without notice.

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(Total Output Power: More than 10W)



UHL3660 Projection Distance & Image Size | 16:9 Aspect Ratio

Image Size (in.)	Image Width (in)	Image Height (in)	Distance - Lens to Screen (in.)	Distance - Projector Body to Screen (in)
85	74.1	41.7	18.2	0.4
90	78.5	44.1	19.1	1.3
100	87.1	49	21	3.2
110	95.9	54	23	5.2
120	104.6	58.9	24.8	7.1
130	113.2	63.7	26.8	9
140	122	68.7	28.7	10.9
150	130.7	73.6	30.7	13
160	139.4	78.5	32.6	14.8



Lifetime varies depending on usage conditions and environment.

(*3) Supports HDMI and UART. For control only. Ethernet not supported.

^(*4) Not officially certified. RICOH testing confirmed that the optical engine, including the projection lens, meets IP6X standards for "no dust penetration." IP6X equivalency applies to the optical engine only.