

RICOH 4K Ultra Short Throw Laser
Projector

RICOH
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RICOH PJ UHL3660

- ✓ 4K UHD Resolution
- ✓ 6500lm High Brightness
- ✓ Ultra Short Throw 85" - 160"
- ✓ Multiple Image Adjustment Functions



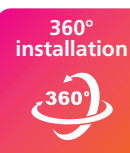
6500lm
Brightness



Ultra Short
Throw



Wireless
Projection





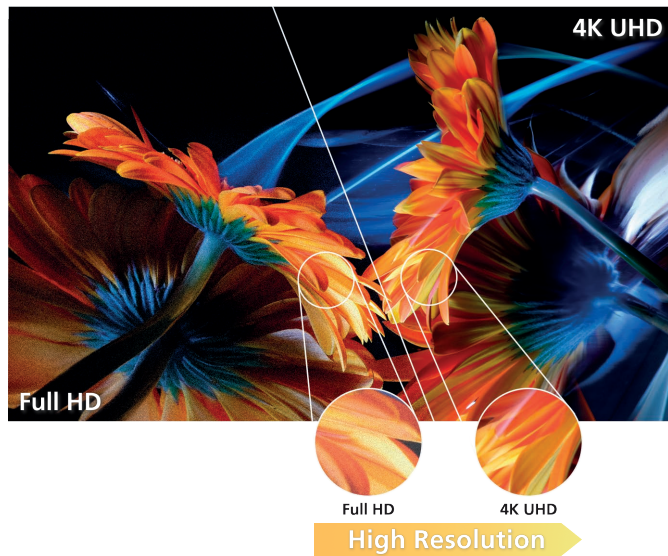
The RICOH PJ UHL3660 UST Laser Projector delivers a premium viewing experience in every environment. 6,500 lumen brightness, 4K Ultra HD resolution and unique OptiBright technology produce visibly sharper, clearer images with rich colours for enhanced realism, even in brightly lit spaces.

Where space is limited, this projector offers an incredible 0.24 Ultra Short Throw ratio, creating an 85-inch image from just 1 cm (from the edge of unit) and a maximum projection size of 160 inches. The built-in edge blending software means that multiple

units can be combined to achieve very large image projections. The PJ UHL3660 offers an incredibly cost-effective and compact alternative to typical customised solutions, where higher lumens are required for ultra short throw environments.

Dynamic viewing experience

4-way pixel shift gives this projector its 4K Ultra High-Definition resolution. Together with High Dynamic Range and High Contrast mode it delivers enhanced realism and a more dynamic, life-like viewing experience. RICOH's unique NCE (Natural Colour Enhancement) technology also provides an extremely rich and vivid colour range beyond the capabilities of most other projectors in this class.



Higher brightness from a compact unit

RICOH's unique OptiBright technology incorporates two laser light sources beamed through two separate phosphor wheels. It also features increased green levels within the projector's two phosphor wheels. The result is higher brightness with lower power consumption and a longer product life – all within one compact unit.



Exceptionally large images in limited spaces

With a throw ratio of 0.24, the Ultra Short Throw Lens in this unit is capable of projecting an 85-inch image from just 1cm (from the edge of the unit) and up to a maximum image size of 160 inches – or just over 4 metres.

Highly adaptable projection effects

Whether rotated through 360 degrees or mounted on its side, it delivers peak projection performance suitable for floors, ceiling or walls.

Adjusts to challenging projection surfaces

With a range of keystone and geometric image correction features including vertical, horizontal, four corners and six-point correction, plus up to 1,891-point grid adjustment, it's perfect for uneven, angled and unusual projection surfaces.



Safe for public spaces

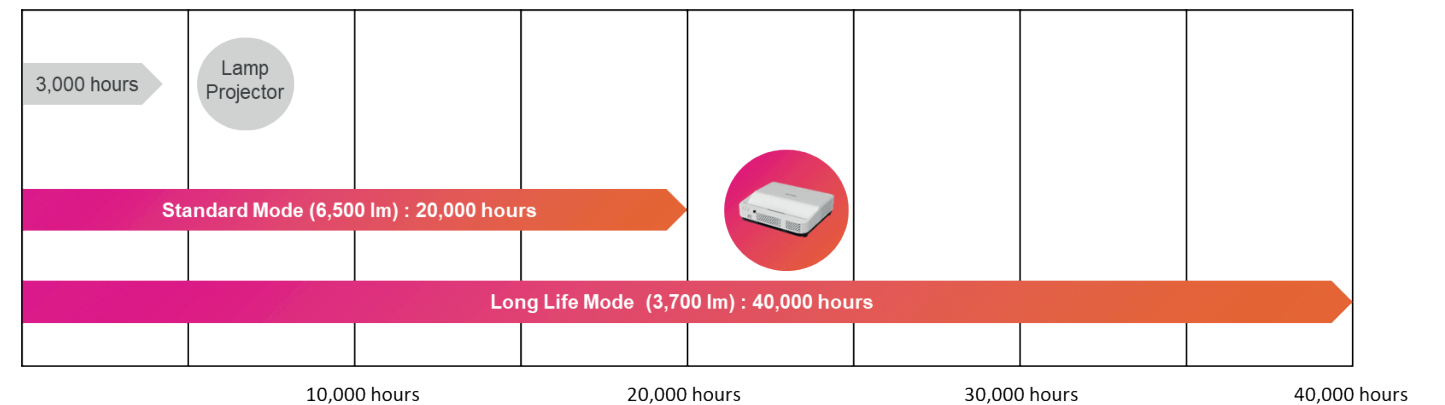
Minimal space is required between the device and its projection surface, making it perfect for store signage, display or in conference halls with large crowds. However, if anyone comes near the front of the unit, an eye safety shut-off feature temporarily powers the unit down.

Combine multiple projectors

Utilising the built-in Multi Projection software with edge blending enables projectors to be combined to achieve even larger images or stunning displays along walkways, for exhibitions or around the perimeter of conference venues.

Up to 40,000 operational hours

In long-life mode, the projector deploys its OptiBright technology to send power to each of its laser light modules alternatively. Using lower power in this way enables the projector to operate for up to 40,000 hours.



No parts to replace

Dust-proofed to IP6X, the projector is designed for constant 24/7 use without the requirement to replace filters or lamps. Which means uninterrupted image display with lower running costs.

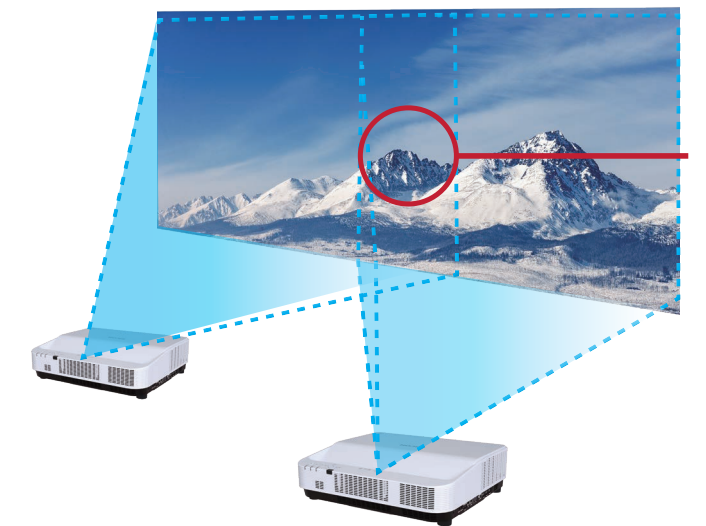


Unrestricted connectivity and ease of use

Offering both HDBaseT wired and Miracast wireless connectivity, source input can be broadcast in a variety of ways. Where space is limited or access restricted, simply key in the projector's IP address to control features wirelessly from a PC or smartphone, and adjust the motorised focus with ease using the remote controller.

Constant use in challenging environments

Robust construction makes this projector ideal for constant use in the toughest environments. It is designed to operate in ambient temperatures of up to 45 degrees Celsius and is dust-proofed to IP6X, ideal for entertainment and covered outdoor venues.



Everything you need in one package

Up to 100 projectors can be managed simultaneously via the operational management application, for functions such as monitoring, geometric correction, remote control and network camera display. All the software required is included.

Specifications

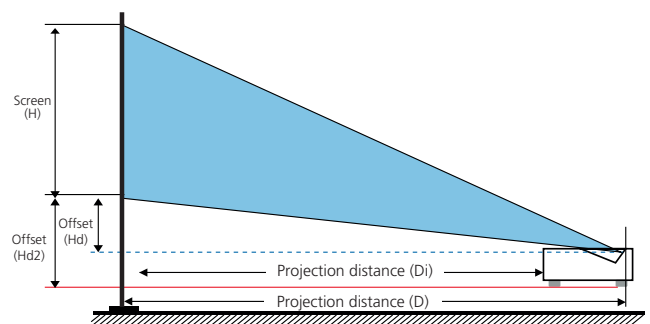
Model name		RICOH PJ UHL3660			
Projection system		DLP			
Chip size		0.65"			
Brightness		6,500lm			
Contrast ratio		5,000,000:1			
Light source		Laser			
Life time of light source (*1)		20,000 hours (Constant Power mode) 26,000 hours (Constant Luminance mode) (*2) 30,000 hours (Eco mode) (*2) 40,000 hours (Long Life mode) (*2)			
Projection size		85-160inch			
Projection distance		0.01 - 0.38m (from the edge of unit)			
Throw ratio		0.241			
Resolution		3840*2160 (4K)			
Colour reproduction		1,073 million colours			
Focus		Motorised			
Keystone		Horizontal : ±15° / Vertical : -20 ~ +5°			
Four corners correction		Supported			
Six points correction		Supported			
Grid Adjustment		Max. 61 x 31 points			
Portrait/360 degree projection		Supported			
Interfaces	Input	HDMI	2 x Type-A (HDMI2.0/HDCP2.2)		
		HDBaseT	1 x RJ45 (*3)		
		USB	1 x Type-A		
		Wireless projection	Miracast supported		
	Output	HDMI	1 x Type-A (HDMI2.0/HDCP2.2)		
		Audio	1 x 3.5mm Mini jack		
	Power Out	USB	1 x Type-A (5V/2A)		
		Control	Wired LAN	1 x RJ45	
			RS-232C	1 x D-Sub 9 pin	
			USB	2 x Micro-B	
		Wired Remote	1x 3.5mm Mini jack		
Noise		Constant Power / Constant Luminance / Long Life mode : 36dB Eco mode : 32dB			
Dimension (WxDxH mm) -(without feet)		530 x 470 x 139			
Weight		Less than 11.9kg			
Dust proof		IP6X			
24/7 operation		Supported			
Environment condition	Operating temperature	Constant Power	0~40°C(0 - 1,524m altitude) / 0~35°C(1,524 - 3,048m with High Altitude mode)		
		Eco	0~45°C(0 - 1,524m altitude) / 0~45°C(1,524 - 3,048m with High Altitude mode)		
	Humidity	20%~85%(non-condensing)			
Power consumption		Constant Power : 460W(100V)/460W(110V)/445W(220V)/445W(240V) Eco : 225W(100V)/225W(110V)/220W(220V)/220W(240V) Standby : <0.5W			
Speaker		2 x 3W, 1 x 5W			

(*1) Life time varies depending on environment condition of use.
(*2) The brightness is lower than the Constant Power mode.
(*3) HDMI and UART are supported, Ethernet is not supported.

Projection distance

Aspect Ratio 16:9

Size	Distance		Offset		Screen	
	D(m)	Di(m)	Hd(m)	Hd2(m)	W(m)	H(m)
85	0.46	0.01	0.20	0.29	1.88	1.06
90	0.49	0.03	0.21	0.31	1.99	1.12
100	0.54	0.08	0.23	0.33	2.21	1.25
110	0.58	0.13	0.26	0.35	2.44	1.37
120	0.63	0.18	0.28	0.38	2.66	1.49
130	0.68	0.23	0.30	0.40	2.88	1.62
140	0.73	0.28	0.33	0.42	3.10	1.74
150	0.78	0.33	0.35	0.45	3.32	1.87
160	0.83	0.38	0.37	0.47	3.54	1.99



• Di: Distance from the edge of unit to the screen • D: Distance from the lens to the screen • Hd: Height from the center of lens to the bottom of screen • Hd2: Height from the projector mounting surface to the bottom of screen

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