

RICOH COMPACT LASER PROJECTOR

RICOH
imagine. change.

RICOH PJ WXL5860 PJ WUL5860

- ✓ High resolution WXGA and WUXGA
- ✓ 4,700/4,000lm laser projector
- ✓ 20,000h maintenance free
- ✓ Compact and portable design



Lens shift



IP6X Dust-proof design



HDMI2.0



4K signal compatible

4K

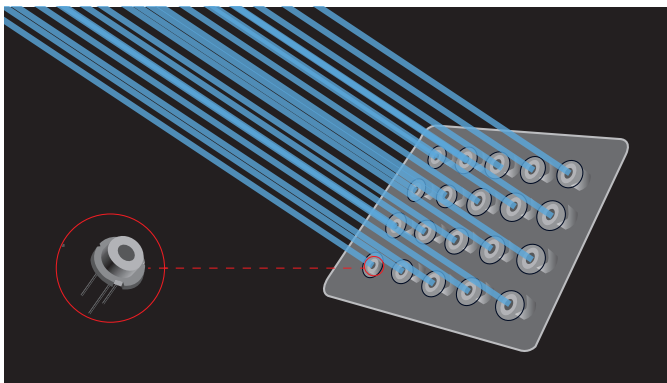
Laser Projector

Taking visual excellence to the big screen.



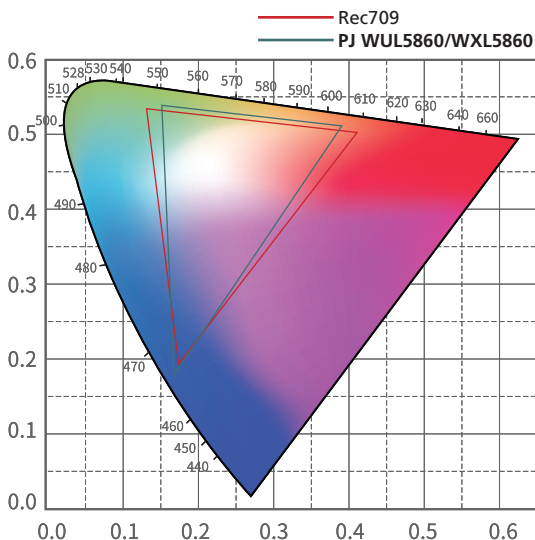
Multi-Module Laser Light Source

The multi-module design supports seamless projection by originating the laser beam from multiple diodes. If one diode malfunctions, the overall brightness remains relatively unaffected, significantly reducing the likelihood of loss of projection light and interrupted presentations. This series offers three power modes, Normal, Eco, and Image Eco, to dynamically adjust power consumptions and extend the life of the laser diode.



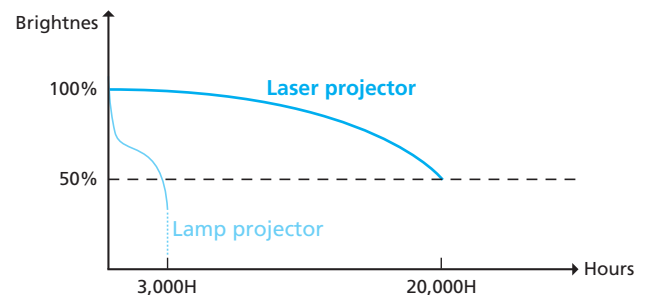
High image quality and wide color gamut

The laser light source exhibits a pure texture, covering more than 92% of the Rec.709 color gamut range. RICOH'S unique NCE natural gain technology allows for lifelike color reproduction to fit the needs of the environment.



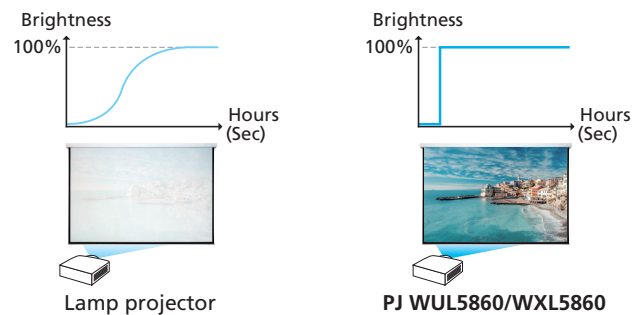
20,000H long life

Utilizing a laser light source enables a maintenance-free operation for up to 20,000 hours, significantly reducing maintenance time and costs in comparison to conventional lamp projectors.



Quick start-up

Due to laser technology, users can experience instant high-definition images without delay once the projector is powered on.



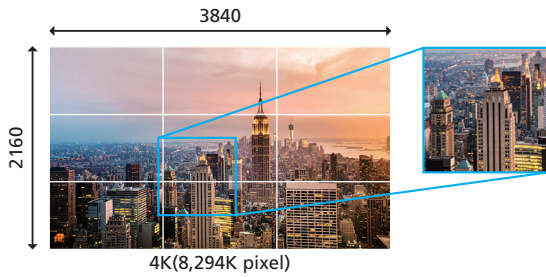
Mercury-free environmental protection 20,000h long life

Compared to high voltage mercury lamps commonly used in projectors, the solid-state semiconductor laser light source used in the PJ WUL5860/WXL5860 series doesn't contain harmful mercury elements, leading the trend of green projectors.



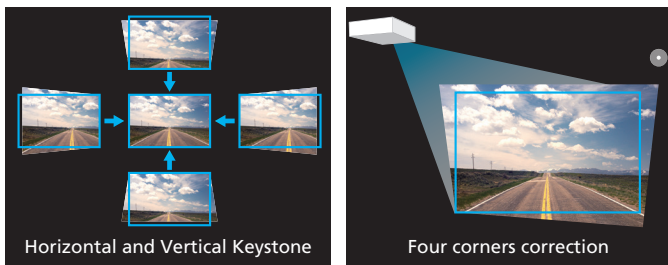
4K signal compatible display

Supporting 3840x2160 50/60HZ, equivalent to 4K resolution input, the RICOH PJ WUL5860/WXL5860 allows for direct playback of audio and video content in 4K resolution format.



Horizontal and vertical keystone/ Four corners correction

Due to installation conditions, image distortion and deformation may occur once the projector is set up. The built-in four corners correction function enables individual adjustments for each corner of the projection screen. When paired with horizontal and vertical keystone adjustments, a perfectly rectangular view can be achieved.



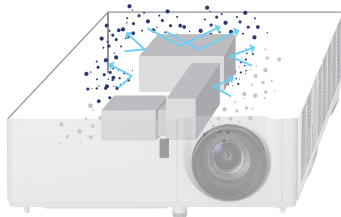
Vertical lens shift

The RICOH PJ WUL5860/WXL5860 supports vertical lens shift, greatly improving the convenience of use, and easily presenting high-quality images.



IP6X Dust-proof design

Dust plays a crucial role in impacting a projector's lifespan. The RICOH PJ WUL5860/WXL5860's optical engine is fully enclosed, with a dust-proof rating of IP6X. This significantly reduces maintenance costs and prolongs the life of the projector by mitigating common issues caused by contaminants, such as image speckling and brightness decline.



HDMI 2.0 terminal

Experience vibrant and seamless playback as the RICOH PJ WUL5860/WXL5860 is equipped with an HDMI2.0 input, allowing for a refresh rate of 50/60Hz at 4K resolution.

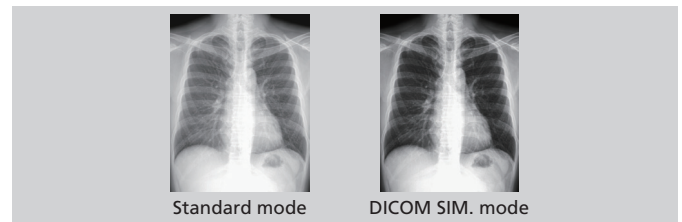
360 degree installation and support portrait projection

The RICOH PJ WUL5860/WXL5860 supports 360-degree installation, making it suitable for a wide range of applications like ceiling, floor, or wall projection.



DICOM-SIM Mode

Effortlessly project high-definition medical images in a variety of environments with DICOM-SIM mode. The RICOH PJ WUL5860/WXL5860 is optimized for displaying monochromatic medical images like X-Ray film, MRI scans, and tomography images.



Remote Control ID customization

By using the remote control numbering function, up to 99 projectors can be set with different remote control numbers. The remote controller can control the corresponding projectors by switching different IDs, avoiding simultaneous control of multiple adjacent projectors when using the remote controller.



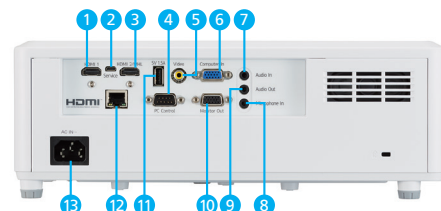
Small and portable

Conserve space with the RICOH PJ WUL5860/WXL5860. Weighing just 5kg (11lbs), this projector series is compact in design and easily portable. This portability is advantageous in environments that may require one projector to serve multiple locations.



Interfaces

1. HDMI 1 In terminal
2. Service terminal
3. HDMI 2/MHL terminal
4. PC Control terminal
5. Video terminal
6. Computer In terminal
7. Audio In terminal
8. Microphone In terminal
9. Audio Out terminal
10. Monitor Out terminal
11. 5V/1.5A terminal
12. LAN terminal
13. AC In socket



Specifications

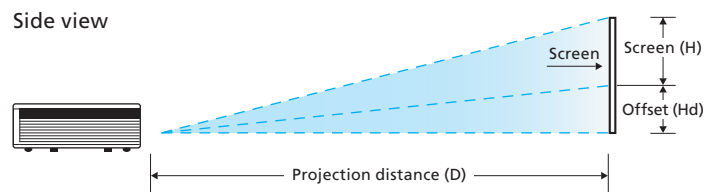
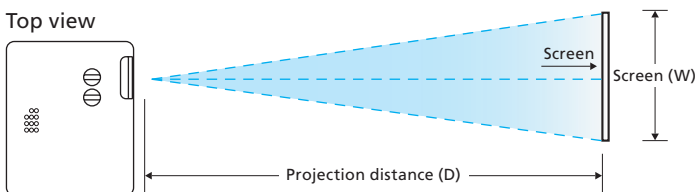
Model name		PJ WXL5860	PJ WUL5860	
Projection system		DLP	DLP	
Chip size		0.65"	0.48"	
Brightness		4,700lm	4,000lm	
Contrast ratio		5,000,000:1	5,000,000:1	
Aspect ratio		16:10	16:10	
Light source		Laser	Laser	
Light source life time		20,000h(+)	20,000h(+)	
Projection size		30-300inch	29-303inch	
Projection distance		Wide: 1.44-7.19m Tele: 1.97-6.56m	Wide: 1.56-7.9m Tele: 2.05-6.85m	
Throw ratio		1.113-1.523	1.21-1.59	
Resolution (native)		1,280 x 800(WXGA)	1,920 x 1,200(WUXGA)	
Color reproduction		1,073,000,000	1,073,000,000	
Focus		Manual	Manual	
Zoom ratio		1.36	1.3	
Lens shift		Vertical +12.4%	Vertical +10%	
Keystone		Vertical/Horizontal ±30°	Vertical/Horizontal ±30°	
Four corners correction		Support	Support	
Dust proof		IP6X	IP6X	
Interfaces	Input	Computer	Mini D-SUB15pin x1	Mini D-SUB15pin x1
		HDMI1	HDMI(1.4) x1	HDMI(1.4) x1
		HDMI2/MHL	HDMI(2.0)/MHL(2.2) x1	HDMI(2.0)/MHL(2.2) x1
		Video	RCA(Yellow) x1	RCA(Yellow) x1
		Audio1	3.5mm mini jack x1	3.5mm mini jack x1
	Output	Audio2	3.5mm mini jack x1	3.5mm mini jack x1
		Computer	Mini D-SUB15pin x1	Mini D-SUB15pin x1
	Control	Audio	3.5mm mini jack x1	3.5mm mini jack x1
		Wired LAN	RJ45 x1	RJ45 x1
	Others	PC control	RS232C x1	RS232C x1
USB		USB Type A x1	USB TypeA x1	
Noise(standard/eco)		<34db/<33db	<34db/<33db	
Dimension (WxDxH mm) without feet		337 x 265 x 108	337 x 265 x 108	
Weight		<5kg	<5kg	
Environment condition		Temperature: 0°C-40°C Humidity: 0-85%(non-condensing)	Temperature: 0°C-40°C Humidity: 0-85%(non-condensing)	
Power supply voltage		100-240V 50/60HZ	100-240V 50/60HZ	
Maximum power consumption(standard/eco)		300W/230W@110V, 300W/225W@220V	300W/230W@110V, 300W/225W@220V	
Stand by power consumption		<0.5W	<0.5W	
High altitude mode		Support	Support	
Speaker		8W x2	8w x2	

(*)Running time until the initial brightness reduces to 40%.
(Life time varies depending on usage conditions and environment.)

Projection distance

Screen size (inch)	PJ WXL5860			
	Projection distance (D/m)		Offset (Hd/m)	
	Wide	Tele	Min	Max
60	1.44	1.97	0	0.10
80	1.92	2.62	0	0.13
100	2.40	3.28	0	0.17
120	2.88	3.94	0	0.20
150	3.60	4.92	0	0.25
200	4.79	6.56	0	0.33
300	7.19	-	0	0.50

Screen size (inch)	PJ WUL5860			
	Projection distance (D/m)		Offset (Hd/m)	
	Wide	Tele	Min	Max
60	1.56	2.05	0	0.08
80	2.08	2.74	0	0.11
100	2.61	3.42	0	0.13
120	3.13	4.11	0	0.16
150	3.91	5.14	0	0.20
200	5.21	6.85	0	0.27
303	7.90	-	0	0.41



Precautions

- Do not place vases, plant pots, cups, toiletries, medicines, small metal objects, or containers holding water or any other liquids, on or close to this machine. Fire or electric shock could result from spillage or if such objects or substances fall inside this machine.
 - To avoid injury, please keep the machine and attachments out of the reach of children.
 - Ensure the machine is only connected to a power supply within the specified voltage range to prevent damage.
 - Do not damage, break, or modify the power cord. Also, do not place heavy objects on the power cord, or pull the cord or bend it severely. Doing so could result in fire or electric shock.
 - In case of smoke, odors, or unusual behaviors, please power off the machine immediately, and disconnect the power cord from the outlet. Please contact your service representative and report the problem.
 - If metal objects, or water or other fluids fall inside this machine, you must turn off its power immediately. After turning off the power, be sure to disconnect the power cord plug from the wall outlet. Then contact your service representative and report the problem. Do not use the machine. Doing so could result in fire or electric shock.
 - Never operate this unit on AC power during a thunderstorm. If you see lightning or hear thunder, never touch the unit, cables and/or peripherals. An electric surge caused by the storm, may result in an electrical shock or damage to the unit.
 - To avoid injury or suffocation, please keep plastic bags and other packaging materials out of reach of small children.
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