RICOH Compact Laser Projectors

RICOH
PJ WXL5860
PJ WUL5860

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- ☑ 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

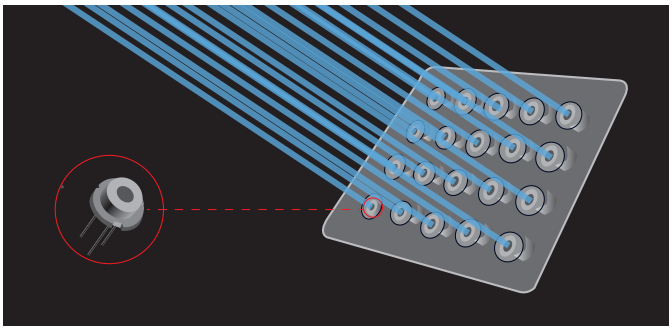
Compact for Everyday, Standard Throw Use

Compact and Portable Design

At just 4.3 kg (WXL5860 model) and 4.6kg (WUL5860 model) and with a footprint barely bigger than a laptop, RICOH Compact Laser Projectors provide a versatile, everyday standard-throw solution for smaller presentation spaces, that can easily be moved from room to room.

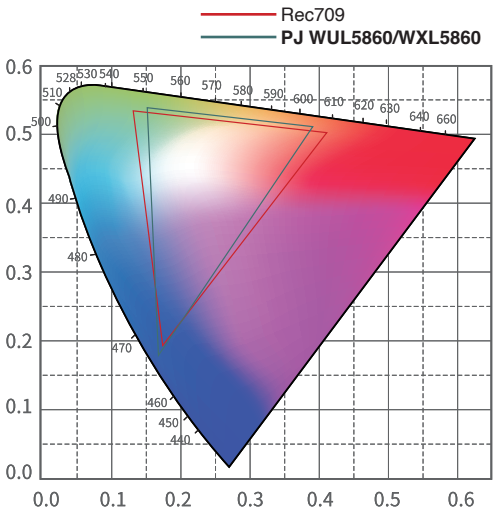
Multi-Module Laser Light Source

The multi-module structure laser light source supports continuous operation for 7 x 24 hours and outputs a stable brightness of 4000-4700lm (subject to model). The laser beam is produced by multiple laser diodes, increasing reliability. It offers three laser power modes: Normal, Eco, and Image ECO. The Image ECO mode can dynamically adjust power consumption based on image brightness, extending the life of the laser diode.



High Image Quality and Wide Colour Gamut

These DLP projectors use RICOH's unique NCE natural colour gain technology, efficiently covering over 92% of the Rec. 709 colour gamut range and delivering natural and realistic colours.

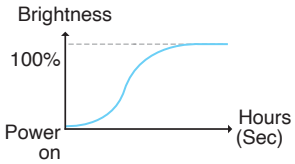


20,000 Hour-Long Life

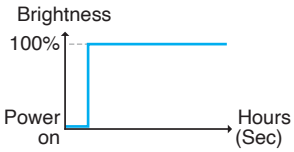
The laser light source has a long life of 20,000 hours, which is 6-7 times the life of a typical projector bulb source.

Quick start-up

Full brightness is achieved within seconds of turning the projector on. The light will also turn off as soon as the unit is powered off.



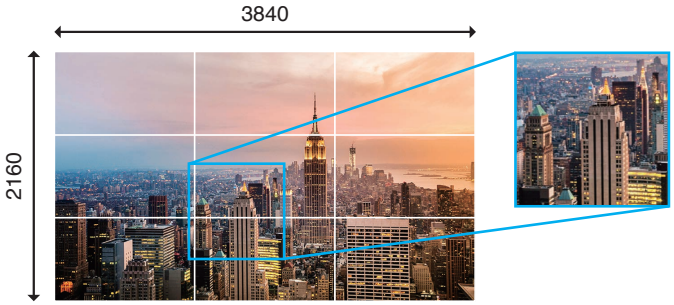
Lamp projector



PJ WUL5860/WXL5860

4K Signal Compatible Display

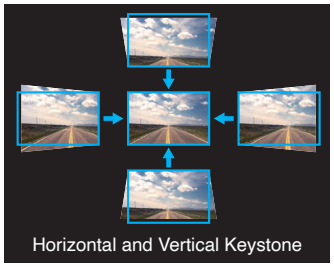
The PJ WUL5860/ PJ WXL5860 models are compatible with 3840x2160HZ, which means they can directly play 4K resolution format audio and video content.



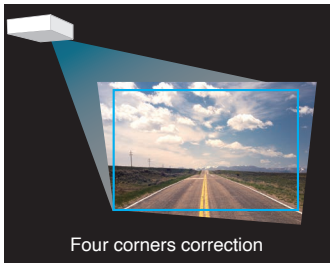
4K(8,294K pixel)

Horizontal and Vertical Keystone/ Four Corners Correction

Complex or uneven installation surfaces can cause distortion of the image. The four corners correction function can adjust each corner of the projection screen separately, supplemented by horizontal and vertical keystone adjustment, delivering a rectangular final image.



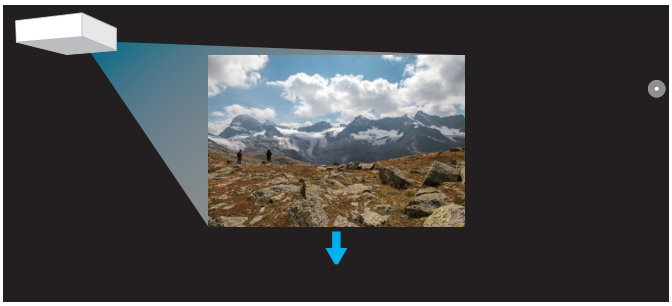
Horizontal and Vertical Keystone



Four corners correction

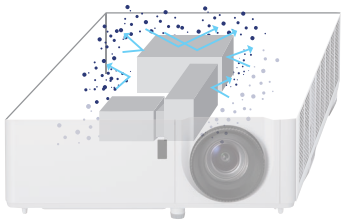
Vertical Lens Shift

The +12.4% (PJ WUL5860) and +10% (PF WXL5860) vertical lens adjustment ranges make these models easier to ceiling-mount, enabling image adjustment without moving the unit.



IP6X Dust-Proof Design

Dust is a key factor affecting the life of a projector. The fully closed optical engine in both models meets the IP6X dust-proof standard, effectively eliminating image speckle, brightness decline, and projector life decline that dust can cause, as well as significantly reducing the cost of maintenance and consumables.



HDMI 2.0

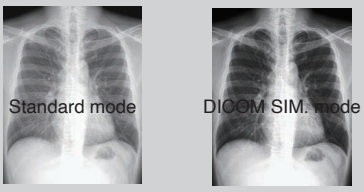
The HDMI 2.0 interface expands bandwidth to 18GBps, achieving a refresh rate of 50/60Hz in 4K image transmission – about twice that of HDMI1.4. This makes playback lively, smooth and much gentler to the human eye.

360-degree Installation and Portrait Orientation Support

The PJ WUL5860 and PJ WXL5860 projectors can be installed to project through 360 degrees, making them highly flexible, reducing installation limitations and greatly expanding the application range.

Supports DICOM SIM medical mode

Equipped with DICOM SIM (Digital Imaging and Communications in Medicine Simulation), these models are suitable for projecting monochromatic medical images, such as X-ray films, MRI, and tomography images. Details of medical images can be presented to a wider audience in a large, high-definition format, ideal for medical education environments.

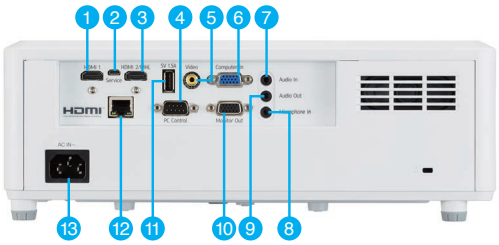


Customisable ID Remote Control

Up to 99 projectors can be assigned a separate ID and individually controlled, one at a time.

Interfaces

1. HDMI 1 IN terminal
2. Service terminal
3. HDMI2/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



Mercury-free

The solid-state semiconductor laser light source used in the PJ WUL5860 and PJ WXL5860 models contains no harmful mercury elements – unlike many bulb projectors which use high voltage mercury lamps.

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			1.0-7.2m	1.0-7.9m
Throw ratio			1.113-1.523	1.21-1.59
Resolution			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
		Audio2	3.5mm mini jack x1	3.5mm mini jack x1
	Output	Computer	Mini D-SUB15pin x1	Mini D-SUB15pin x1
		Audio	3.5mm mini jack x1	3.5mm mini jack x1
	Control	Wired LAN	RJ45 x1	RJ45 x1
		PC control	RS232C x1	RS232C x1
	Others	USB	USB Type A x1	USB TypeA x1
		USB (FW update)	USB micro B x1	USB micro B 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

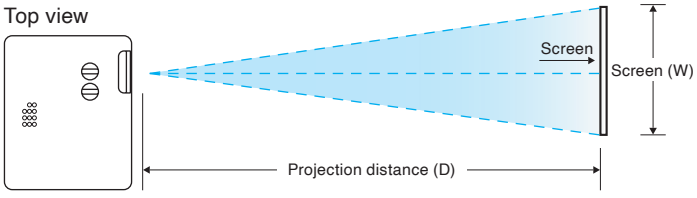
(*)Running time until the initial brightness reduces to 40%.
(Life time varies depending on usage conditions and environment.)

Projection distance

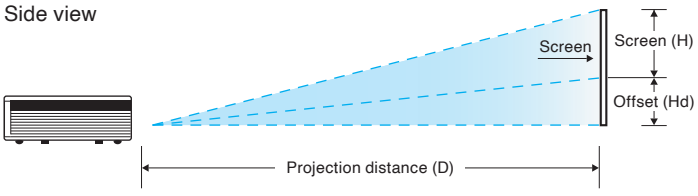
PJ WXL5860				
Screen size (inch)	Projection distance (D/m)		Offset (Hd/m)	
	Wide	Tele	Min	Max
60	1.44	1.97	0	0.10
80	1.92	2.62	0	0.13
100	2.40	3.28	0	0.17
120	2.88	3.94	0	0.20
150	3.60	4.92	0	0.25
200	4.79	6.56	0	0.33
300	7.19	-	0	0.50

PJ WUL5860				
Screen size (inch)	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

Top view



Side view



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