

**RICOH**  
imagine. change.

# Ricoh PJ X6180N

Business Projection Systems



Wired and  
optional wireless  
**LAN**

Choice of  
5 optional  
**Lenses**

Projection  
brightness of  
**6,000 lm**

Projection  
size from  
**30" – 500"**

## The new vision for multimedia projection

Your best ideas deserve to be showcased. So do ours. Introducing the innovative RICOH® PJ X6180N, a high-grade installation projection system designed specifically for larger venues, including lecture halls, auditoriums, conference rooms and more. It offers incredible brightness, user-friendly controls and multiple connectivity options to bring a wide range of multimedia content to life. The versatile projector is equipped to adapt to your needs quickly, without compromising image quality or your budget. Whether used as a standalone device or as part of an integrated Managed Document Services (MDS) strategy, the innovative projection system is backed by Ricoh's world-class service and support.

### Exceptional image quality

The Ricoh PJ X6180N delivers up to 6000 lumens output with 1024 x 768 XGA native resolution and a contrast ratio of 2000:1 for incredible brightness in all lighting conditions on screens from 30 inches to 500 inches. With 3LCD technology, it can boost color reproductions to life-like levels. Plus, it supports 10-Bit video processing to project graphics and moving images with superior clarity.



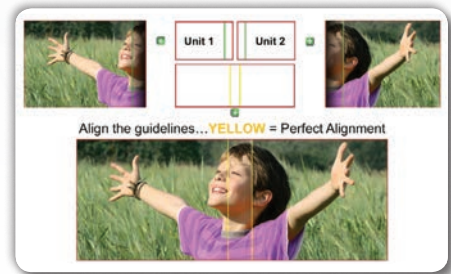
### Customize for every setting

Customize your projector to optimize performance. Choose from five interchangeable lenses that can be swapped with ease to adapt to ever-changing environments. Options even include an ultra-short throw lens and a 2x zoom lens to ensure excellent projection in any size room. With Keystone Correction Image Adjustment, the projector balances images automatically to minimize distortion. Plus, it has Geometric Correction, which delivers exceptional results when projecting onto curved or irregular surfaces. Users can even use this data to project a single image using multiple projectors.



### Focus on higher quality

The Ricoh PJ X6180N stays in place, its cutting-edge capabilities keep you moving forward. The 360-degree installation angle enables tilt-free vertical projection. With a vertical/horizontal lens shift, users can make adjustments to the projected images without moving the device or compromising image quality. The Edge Blending tool adjusts for brightness disparities at the seams where projected images overlap to present a more uniform, consistent display.



# Advanced capabilities on display

## Versatile network connectivity

Network connection is critical for fixed mount projection systems like the Ricoh PJ X6180N. That's why this innovative system features multiple connectivity options, including Ethernet and a USB port. Users can carry their presentations with them via memory cards or USB-compliant devices and can present with or without a PC. The system also offers wireless LAN for convenient and hassle-free installation without cables.



## High-definition impact

A larger audience simply gives you more opportunities to impress. Take advantage of the advanced technologies to showcase your message with more clarity and clearer resolution. Choose from a wide range of audio and video terminals — including HDMI and DisplayPort — to connect to multimedia and high-definition devices via a single cable.



## Eco-friendly, cost-saving operation

The Ricoh PJ X6180N is engineered with Eco Mode to reduce environmental impact — not image quality. The user-selectable feature limits energy consumption during operation and extends lamp replacement time up to 4,000 hours. Eco Mode works quietly at about 31 dB to ensure the message is heard loud and clear above anything else.



# Ricoh PJ X6180N

## SYSTEM SPECIFICATIONS

### Projector Mainframe Only (excluding lens)

Projector Part Number	431060	
Replacement Lamp Part Number <sup>1</sup>	308933	
Wireless LAN	431072	
Projection System	3LCD Technology	
Panel Size	0.79"	
Aspect Ratio	4:3	
Resolution	XGA – 1024 x 768 dpi	
Size of Projected Image	30" to 500"	
White Light Output Brightness	6,000 lm (standard lens)	
Lamp Type	High-pressure mercury (Standard Mode: 330W; Eco Mode: 264W)	
Lamp Life	Standard Mode: 3,000 hours, Eco Mode: 4,000 hours	
Lens	5 optional lenses	
Lens Shift (Manual)	Vertical/Horizontal	
Zoom/Focus	Manual/Manual	
Zoom Ratio	2:0 (standard lens)	
Contrast Ratio	2000:1	
Input Signals	NTSC, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL-60	
Supported Resolutions	480p/60; 576p/50; 720p/60; 720p/50; 1080p/60; 1080p/50; 480i/50; 576i/50; 1080i/60; 1080i/50; 1920 x 1200 (WUXGA); 640 x 480 (VGA)	
Analog RGB Compatible Scanning Frequency	Horizontal: 15-108KHz (RGB: 24KHz – 10KHz), Vertical: 48-120Hz	
Interface	Image Input	Mini D-Sub 15-pin x 2, RCA x 1, S-VIDEO x 1, HDMI type A x 1, Display Port x 1, 5BNC x 1
	Image Output	Mini D-Sub 15-pin x 1
	Audio Input	3.5MM Stereo Mini-pin Jack x 3, RCA (L/R) x 2
	Audio Output	3.5MM Stereo Mini-pin Jack x 1
	USB	TYPE-A x 1 (USB 2.0 High-Speed)
	Wired LAN	RJ45 (10BASE-T/100BASE-TX/1000BASE-T x 1)
	Wireless LAN	Optional IEEE 802.11b/g/n compliant
	Control	Mini D-Sub 9 x 1
Other	Input for wired remote control	
Built-in Speaker	10W Mono	
Dimensions (WxDxH)	19.6" x 14.1" x 5.6" (499 x 359 x 144 mm)	
Weight	16.9 lbs. (7.7 kg)	
Power Supply	100/240V; 50/60 Hz	
Power Consumption	Standard Mode: 464W or less; Eco Mode: 372W or less	
Standby Power Consumption	Less than 0.2W	
Fan Noise	Standard Mode: 38 dB; Eco Mode: 31 dB	
What's In the Box	Remote control, RGB cable, power code, quick setup guide, remote mouse receiver, CD-ROM (User Manual, Projection utility, Advanced Network utility, JPEG conversion software, Projector Management utility)	

<sup>1</sup> Lamps are consumable products and therefore are not covered by the projector's warranty.

Optional Lens Types	Standard Lens (Zoom Lens)	Replacement Lens Type 1 (Short Throw Lens)	Replacement Lens Type 2 (Zoom Lens)	Replacement Lens Type 3 (Zoom Lens)	Replacement Lens Type 4 (Zoom Lens)
Standard Lens – Part # 308934 Replacement Lens Type 1 – Part # 308935 Replacement Lens Type 2 – Part # 308936 Replacement Lens Type 3 – Part # 308937 Replacement Lens Type 4 – Part # 308938					
Screen Size (Performance Guarantee Range)	40 – 500 inch (40 – 200 inch)	40 – 150 inch (60 – 150 inch)	30 – 500 inch (40 – 200 inch)	60 – 500 inch (60 – 200 inch)	60 – 500 inch (80 – 200 inch)
Light Output	6000lm	4500lm	4700lm	4900lm	4700lm

Screen Size	PJ Standard Lens Type 1	PJ Replacement Lens Type 1	PJ Replacement Lens Type 2	PJ Replacement Lens Type 3	PJ Replacement Lens Type 4
30"	–	–	0.7 – 0.9	–	–
40"	1.2 – 2.4	0.6	0.9 – 1.2	–	–
60"	1.8 – 3.7	1.0	1.4 – 1.9	3.6 – 5.8	5/7 – 8.7
80"	2.4 – 4.9	1.3	1.9 – 2.5	4.8 – 7.8	7.6 – 11.6
100"	3.0 – 6.1	1.6	2.4 – 3.2	6.0 – 9.7	9.6 – 14.6
120"	3.7 – 7.4	2.0	2.9 – 3.8	7.3 – 11.7	11.5 – 17.6
150"	4.6 – 9.2	2.5	3.7 – 4.8	9.1 – 14.7	14.4 – 22.0
200"	6.1 – 12.3	–	4.9 – 6.4	12.2 – 19.6	19.3 – 29.4
240"	7.4 – 14.8	–	5.9 – 7.7	14.7 – 23.6	23.2 – 35.3
300"	9.2 – 18.5	–	7.4 – 9.6	18.4 – 29.5	29.1 – 44.2
400"	12.3 – 24.7	–	9.8 – 12.8	24.6 – 39.4	38.8 – 59.0
500"	15.4 – 30.8	–	12.3 – 16.0	30.7 – 49.2	48.6 – 73.8

Warranty: The Ricoh PJ X6180N is under warranty against defects for a period of three years from the date of purchase. Consumables are under warranty for a period of 90 days from the date of purchase or until depleted, whichever comes first. Please refer to warranty documents shipped with the product for more details. For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

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