Business Projection Systems

RICOH
PJ WX6181N/
PJ WU6181N

RICOH
imagine. change.

Projection brightness up to
6,700 lm

Projection size from
30" – 500"

Wired and optional wireless LAN

Choice of 6 optional Lenses

Put your biggest, brightest ideas on display

You want your audience to remember your message. But what if the message gets compromised because someone chose the wrong technology to convey it? Use the RICOH® PJ WX6181N and PJ WU6181N to share your next big idea in a native 16:10 aspect at up to 500 inches diagonally with intense colors and exceptional clarity for maximum impact when presenting in auditoriums, lecture halls, churches and other large venues. Showcase every presentation — including schematics, digital photographs, Excel® spreadsheets, movies and other multimedia — with lifelike quality through incredible brightness, sharp contrasts and crisp, clean lines. With true high-definition images, a wide range of HDMI ports, multiple lens options and convenient network connectivity, you'll impress audiences of every size, every time.

See images in a better light

Make every member of your audience feel like your presentation is just for them. Use the PJ WX6181N and PJ WU6181N to share brighter images at up to 6,700 lumens and 1920 x 1200 WUXGA native resolution, so your audience can see every detail from anywhere in the room. With its remarkably bright projection, you can use the system with almost any kind of ambient lighting, even during peak sunlight, without washing out images on screen. Take advantage of 3LCD technology and the widescreen HD format to boost color reproductions and present movies, graphics and other visuals exactly as they were originally intended. Worried about file size? With 10-Bit video processing support, even the most action-packed, on-screen image will fill the room with lifelike brilliance.

Choose where and how you want to present

Be ready for anything, almost anywhere. With the PJ WX6181N and PJ WU6181N, you can change how you present your ideas without compromising how they look. Choose between six interchangeable lenses to accommodate the room. Need to put the projector closer to the screen? No problem. Take your pick of the ultra-short throw lenses to project images as wide as 40 inches from as close as 28 inches from the screen or project larger images from as far as 252 feet. Every image will be balanced with Keystone Correction Image Adjustment to minimize distortions. Take advantage of incredible brightness and multi-projector edge blending to make your digital signage stand out in a crowd. In fact, you can even display in portrait mode on spheres, beams and other non-standard objects. For more permanent settings, take advantage of the 360-degree installation angle for tilt-free vertical projection.

Impress audiences with higher quality images

Discover the easier way to connect

Keep your audience's attention with reliable network connections that offer more options for a wider range of multimedia and high-definition devices. The PJ WX6181N and PJ WU6181N come standard with Ethernet and USB ports, so you can plug in and present with minimal effort. Connect to a wired or optional wireless LAN via your PC, laptop or other device. Or, if you don't have access to those devices, simply carry your presentation with you on a memory card or USB-compliant device for PC-free operation. With multiple HDMI ports and DisplayPort, you can connect multiple devices to present high-definition audio and visual output conveniently with virtually unlimited color variations.
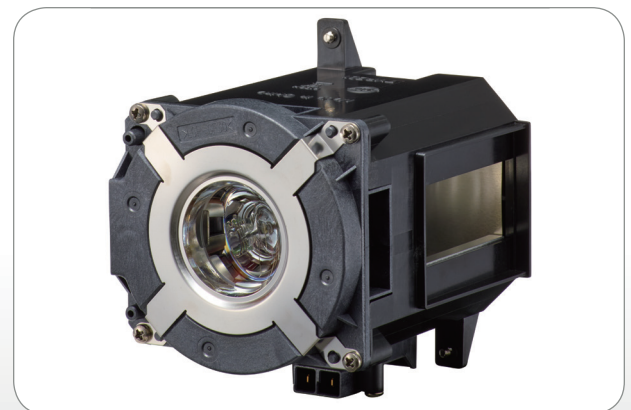

Share ideas with a wider audience

Why limit your presentation to only the people in the room? Or to the people in your building? Share it with a wider audience — even if they're at another location — and make information, and your message, as mobile as your audience is. Take advantage of Advanced Network Utility on the PJ WX6181N and PJ WU6181N and project images from one computer to multiple projectors, so you can reach more people in more places, such as branch offices or satellite campuses, and enhance collaboration. You can also set up a password, so the attendees can access key images and other details from your presentation directly from their computers if they need the information in the future. Presenting in multiple locations is easy with PJLink Management Software. In fact, an administrator can configure settings remotely.

Leave a bigger impression on your audience

Choose the PJ WX6181N and PJ WU6181N for eco-friendly operation that doesn't compromise image quality for viewers. Use the Eco Mode option to adjust lamp brightness for darker images so you can use less energy and extend lamp life up to an incredible 4,000 hours. You won't see a difference on screen. But you might hear it. The projector hums along quietly at 39 db (Standard Mode) and 33 dB (Eco Mode), so everybody in the room can hear your message easily. When your presentation is done, simply turn the projector off, unplug the power cable and the device shuts down without the distracting drone common during cooling down periods.

Ricoh PJ WX6181N/PJ WU6181N

SPECIFICATIONS

System Specifications

Projector Mainframe Only (excluding lens)
PJ WX6181N — Part # 432055
PJ WU6181N — Part # 432058
Replacement Lamp[1] — Part # 512893
Wireless LAN Unit M1 — Part # 431072
Projection System — 3 LCD Technology
Panel Size — 0.76"
Aspect Ratio — 16:10
Resolution — PJ WX6181N: WXGA – 1280 x 800 dpi
PJ WU6181N: WUXGA – 1920 x 1200 dpi
Size of Projected Image — Up to 30" to 500". See chart below.
White Light Output Brightness — PJ WX6181N: 6,700 lumens (standard lens)
PJ WU6181N: 6,200 lumens (standard lens)
Lamp Type — High-pressure mercury (Standard Mode: 350W; Eco Mode: 264W)
Lamp Life — Standard Mode: 3,000 hours; Eco Mode: 4,000 hours
Lens — 6 optional bayonetted lenses available. See chart below.
Lens Shift (Manual) — Vertical/Horizontal
Zoom/Focus — Manual/Manual
Zoom Ratios — See chart below
Contrast Ratio — 6,000:1
Color Reproducibility — HDMI/DisplayPort input: 1.07 billion colors
Viewer/Network/VGA input: 16.77 million colors
Projection Modes — Standard, Rear, Ceiling, Rear Ceiling, Portrait
Video Input Signals — NTSC, PAL, PAL60 SECAM, HDMI, HDMI 3D, HDCP
Built-in Speaker — 10W Mono

Supported Resolutions — 480p/60; 576p/50; 720p/60;720p/50; 1080p/60; 1080p/50; 1080i/60; 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
Connection Terminals — Analog Video Input: Mini D-Sub 15-pin x 1, 5-pin BNC x 1
Analog Audio Input: Stereo Mini-pin Jack x 2 (1 each for use with VGA or BNC input)
Digital Video Input: HDMI x 2, DisplayPort x 1
Monitor Output: HDMI x 1
Audio Output: Stereo Mini Jack x 1
3D Synch Output: Mini DIN 4-pin x 1 (for synchronized 3D output with option)
Wired Network: 10/100BASE-TX Ethernet x 1 (RJ-45)
Wireless LAN: Optional IEEE802.11b/g/n
USB Ports: USB 2.0 Type A x 1 (rear port for flash drive or keyboard; USB 2.0 Type A x 1 (side port for USB wireless LAN Unit)
PC Control: Mini D-Sub 9-pin x 1
Remote Connector: Stereo Mini Jack x 1 (for service use)
Supported Network Projection Operating Systems — Windows 7/Vista/8/8.1
Supported Utilities — Projection Utility for Windows; Projection Utility for Mac (10.6 and later); Advanced Network Utility Software (Windows only), JPEG Conversion Utility Software (Windows only); Projector Management Utility (Windows only)

Primary Projection Features — 360º Free Tilt, Auto Adjust, Blank/Mute/AV Mute, Carbon Meter, Closed Captioning, Control Panel Lock, DICOM Simulation, Digital Zoom (4 steps), Eco Mode, Edge Blending, Freeze, Geometric Picture, Picture-by-Picture, Portrait Projection, Remote Desktop, Security Bar, Security Keyword, Simultaneous Multi-Projection, USB Projection, Wall Color Mode, Wired/Wireless Network Projection
Dimensions (WxDxH) — 19.6" x 14.1" x 5.6" (499 x 359 x 142 mm)
Weight — 18.5 lbs. (8.4 kg) (not including lens)
Power Supply — 100 – 240V; 50/60 Hz
Power Consumption — Standard Mode: 483W; Eco Mode: 377W or less; Standby: Less than 1W
Fan Noise — Standard Mode: 39 dB; Eco Mode: 31 dB
What's In the Box — CD-ROM with user manual, JPEG conversion software, network utility and projector management utility; Quick set up guide, RGB cable, Power cord, Warranty sheet and registration, Remote control and batteries

[1] Lamps are consumable products and therefore are not covered by the projector's warranty.

For maximum performance and yield, we recommend using genuine Ricoh parts and supplies.

Warranty

The Ricoh PJ WX6181N and PJ WU6181N 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.

PJ WX6181N/PJ WU6181N

Optional Lens Types	Standard Lens Type 1 (Zoom Lens)	Replacement Lens Type 1 (Fixed Short Throw Lens)	Replacement Lens Type 2 (Zoom Lens)	Replacement Lens Type 3 (Zoom Lens)	Replacement Lens Type 4 (Zoom Lens)	Replacement Lens Type 8 (Short Throw Zoom Lens)
Standard Lens Type 1 – 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 Replacement Lens Type 8 – Part # 512894						
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)	60 – 500 inch (80 – 200 inch)
Light Output for PJ WX6181N/PJ WU6181N	6,700lm/6,200lm	4,700lm/4,200lm	5,000lm/4,600lm	5,100lm/4,700lm	5,000lm/4,600lm	6,400lm/5,900lm
Zoom Ratio	2.0		1.3	1.6	1.52	1.3

PJ WX6181N	Lens Model Name					
Screen Size	Standard Lens Type 1	Replacement Lens Type 1	Replacement Lens Type 2	Replacement Lens Type 3	Replacement Lens Type 4	Replacement Lens Type 8
30"			0.7 – 1.0			
40"	1.2 – 2.5	0.7	1.0 – 1.3			
60"	1.9 – 3.8	1.0	1.5 - 2.0	3.7 – 6.0	5.9 – 9.1	1.0 – 1.3
80"	2.5 – 5.1	1.4	2.0 - 2.6	5.0 – 8.1	7.9 – 12.1	1.4 – 1.8
100"	3.2 – 6.4	1.7	2.5 – 3.3	6.3 – 10.1	9.9 – 15.2	1.7 – 2.2
120"	3.9 – 7.7	2.1	3.0 – 4.0	7.6 – 12.2	12.0 – 18.3	2.0 – 2.7
150"	4.8 – 9.6	2.6	3.8 – 5.0	9.5 – 15.3	15.0 – 22.9	2.6 – 3.4
200"	6.4 – 12.8		5.1 – 6.6	12.7 – 20.4	20.1 – 30.6	3.4 – 4.5
240"	7.7 – 15.4		6.1 – 8.0	15.3 – 24.5	24.1 – 36.8	4.1 – 5.4
300"	9.6 – 19.2		7.7 – 10.0	19.1 – 30.7	30.2 – 46.0	5.2 – 6.8
400"	12.8 – 25.7		10.2 – 13.3	25.5 – 40.9	40.4 – 61.4	6.9 – 9.0
500"	16.0 – 32.1		12.8 – 16.7	31.9 – 51.2	50.5 – 76.9	8.7 – 11.3

PJ WU6181N	Lens Model Name					
Screen Size	Standard Lens Type 1	Replacement Lens Type 1	Replacement Lens Type 2	Replacement Lens Type 3	Replacement Lens Type 4	Replacement Lens Type 8
30"			0.7 – 0.9			
40"	1.2 – 2.5	0.7	1.0 – 1.3			
60"	1.9 – 3.8	1.0	1.5 – 1.9	3.7 – 6.0	5.9 – 9.0	1.0 – 1.3
80"	2.5 – 5.1	1.4	2.0 - 2.6	5.0 – 8.0	7.9 – 12.1	1.4 – 1.8
100"	3.2 – 6.3	1.7	2.5 – 3.3	6.3 – 10.1	9.9 – 15.1	1.7 – 2.2
120"	3.8 – 7.6	2.1	3.0 – 3.9	7.5 – 12.1	11.9 – 18.2	2.0 – 2.7
150"	4.8 – 9.5	2.6	3.8 – 4.9	9.4 – 15.2	14.9 – 22.8	2.6 – 3.4
200"	6.4 – 12.7		5.1 – 6.6	12.6 – 20.3	20.0 – 30.5	3.4 – 4.5
240"	7.6 – 15.3		6.1 – 7.9	15.2 – 24.4	24.0 – 36.6	4.1 – 5.4
300"	9.6 – 19.1		7.6 – 9.9	19.0 – 30.5	30.1 – 45.8	5.2 – 6.8
400"	12.8 – 25.5		10.2 – 13.2	25.4 – 40.7	40.1 – 61.1	6.9 – 9.0
500"	16.0 – 31.9		12.7 – 16.5	31.8 – 50.9	50.2 – 76.4	8.7 – 11.3

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