Main Specifications

		PJ WX3231N	PJ WX3131	PJ X3241N	PJ X3241	PJ X3131
System		3 transparent liquid crystal panels				
Resolution		1,024,000 pixels (1,280×800)	786,432 pixels (1,024×768)			1,024,000 pixels (1,280×800)
Liquid crystal panel shape	Size	0.59 inch		0.70 inch		0.63 inch
	Aspect ratio	16:10		4:3		
Luminous flux (brightness)		2 500 lm		3,300 lm		2,500 lm
Color reproduction		16,770,000 colors				
Contrast ratio		320:1				
Size of projected image		30 to 300 inches				
Projection distance		0.94 to 11.58 m		0.89 to 10.94 m		0.89 to 10.93 m
Lamp		High-pressure mercury lamp (190 W in standard mode, 144 W in low mode)				High-pressure mercury lamp (180 W in standard mode, 136 W in low mode)
RGB compatible signal	Real resolution	WXGA (1,280×800 dots), XGA (1,024×768 dots) SVGA (800×600 dots), VGA (640×480 dots)		XGA (1,024×768 dots), SVGA (800×600 dots), VGA (640×480 dots)		
	Compressed representation	UXGA (1,600×1,200 dots), SXGA (1,280×1,024 dots)		UXGA(1,600x1,200 dots), SXGA(1,280x1,024 dots), WXGA(1,280x800 dots)		
Video compatible signal		NTSC, PAL, SECAM				
Analog RGB compatible scanning frequency	Horizontal	15.63 to 106.25 kHz				
	Vertical	50 to 85 Hz				
USB memory compatible file format		JPEG, MPEG1, MPEG2 (PS format only)	–	JPEG, MPEG1, MPEG2 (PS format only)	–	
Projection lens	Brightness: F value	F: 1.7 to 1.87		F: 1.6 to 1.76		F: 1.7 to 1.87
	Focal length: f value	f: 19.2 to 23.1 mm		f: 21.5 to 25.8 mm		f: 19.2 to 23.1 mm
	Scale factor	1.2 x				
	Zoom	Manual				
	Focus	Manual				
Interface	RGB input	Mini D-sub 15 pin x 2				
	RGB output	Mini D-sub 15 pin x 1 (input and change over)				
	Video input	HDMI terminal x 1 S-VIDEO terminal mini DIN-4 pin x 1 RCA pin jack x 1	S-VIDEO terminal mini DIN-4 pin x 1 RCA pin jack x 1	HDMI terminal x 1 S-VIDEO terminal mini DIN-4 pin x 1 RCA pin jack x 1	S-VIDEO terminal mini DIN-4 pin x 1 RCA pin jack x 1	
	Audio input	3.5Φ stereo mini pin jack x 1				
	Audio output	3.5Φ stereo mini pin jack x 1				
	USB	TYPE-A (USB 2.0 High-Speed) × 1	–	TYPE-A (USB 2.0 High-Speed) × 1	–	
	Wired LAN	RJ45 (100BASE-T) × 1	–	RJ45 (100BASE-T) × 1	–	
	Wireless LAN	IEEE 802.11b/g compliant	–	IEEE 802.11b/g compliant	–	
	RS232C	Mini D-sub 9 pin x 1 (for projector control)				
Supported OS	Network projector	Windows Vista® (Home Basic not supported), Windows® 7 (Home Premium not supported)	–	Windows Vista® (Home Basic not supported), Windows® 7 (Home Premium not supported)	–	
	Network utility	Windows® 2000, XP, 7 and Vista® (Windows® 7 does not support multiscreen)	–	Windows® 2000, XP, 7 and Vista® (Windows® 7 does not support multiscreen)	–	
	JPEG conversion tool	Windows® 2000, XP, 7 and Vista®	–	Windows® 2000, XP, 7 and Vista®	–	
	Projector management utility	Windows® 2000, XP, 7 and Vista® PJLink Class 1 compatible	–	Windows® 2000, XP, 7 and Vista® PJLink Class 1 compatible	–	
Built-in speaker		1 W mono				
Dimensions (W x D x H) (excluding protrusions)		295 × 196 × 82 mm	272 × 189 × 82 mm	295 × 196 × 82 mm	295 × 196 × 82 mm	272 × 189 × 82 mm
Weight		1.9kg / 4.19lb	1.8kg / 3.96lb	2.0kg / 4.41lb	1.9kg / 4.19lb	1.8kg / 3.96lb
Power consumption	While operating	Standard mode: 280 W or less				Standard mode: 270 W or less
	In standby	–	0.4 W	–	0.4 W	
	In standby Network ON	8.0 W	–	8.0 W	–	
	In standby Network OFF	0.4 W	–	0.4 W	–	
Power		100 V - 240 V ±10%				

ISO 9001: 2000 certified ISO 14001 certified. Ricoh has designed these products to meet EC ENERGY STAR guidelines for energy efficiency. All brand and/or product names are trademarks of their respective owners. Specifications and external appearance are subject to change without notice. The colour of the actual product may vary from the colour shown in the brochure.

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Our earth, Our tomorrow

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PJ WX3231N WXGA
Networkable 2,500 lm Mobile Projector

PJ WX3131 WXGA
2,500 lm Mobile Projector

PJ X3241N XGA
Networkable 3,300 lm Mobile Projector

PJ X3241 XGA
3,300 lm Mobile Projector

PJ X3131 XGA
2,500 lm Mobile Projector



RICOH PJ Series Mobile Projector –

Functionality That Anyone Can Master

Weighing at 2kg or less, the PJ Series Mobile Projectors are designed for maximum portability and superb performance. It requires less space than a piece of A4 paper and stands just as tall as an ID card. Combined with up to 3300 lumens, 3LCD clarity and Natural Colour Enhancer (NCE)^, it offers a compelling projection presentation for various room sizes – and under any ambient lighting for a truly stunning presentation every time!

Now with the free RICOH TAMAGO Presenter* software available for download, you can conduct business meetings and presentations smoothly with iPad and iPad2 via wireless LAN. Once iPad and the RICOH network projector are connected under the same broadband cast domain, the projector will display PDF data stored on the iPad.

RICOH TAMAGO Presenter App* for a paperless and environment-friendly meeting:

- Eliminate the need to print and hand out papers before meeting or presentation
- Share your presentation/documents with other participants via iPad
- Enable you to connect your iPad to RICOH Network projectors^

* Free download from the AppStore / iTunes website
http://itunes.apple.com/us/app/ricoh-tamago-presenter/id432471595?mt=8



Designed for ease-of-use

Blackboard Mode
Adjust the hue of the projected image to compensate for the colour of the screen for a better projection.

Password Setting and Key Lock
Prevent unauthorised use of the projector or adjustment while operating the projector.

Computer-free Presentation^
Project JPEG images and MPEG1 or MPEG2 directly via the built-in USB port.* Plus, use specialised software to convert Microsoft PowerPoint files to JPEG and store them onto the USB thumb drive and present later – all without a PC.#



* Only PS format.
# A JPEG conversion tool is required.

User Logo Function
Display your company logo or standby message while projector is starting up or when there is no input signal.

Voice Guidance Function^
The voice guidance announces possible problems with the projector such as faulty cooling fan or dirty air filter.*

Mouse Remote Control (accessory)^
The mouse remote control accessory can be used to operate the projector or function as a pointer for the computer.

HDMI Terminal^
Connect DVD players or other video and audio equipment via a digital signal on a single cable.

Smart network connectivity features^

- **Supports Both Wired and Wireless LAN**
  You can connect to wired or wireless LAN conveniently by using RICOH's own Network Utility. It also supports connection to a network using the "Network Projector" function* standard in Windows Vista® as well as Windows® 7. This allows the transfer of images from a PC easily.
  * Video and audio file format are not supported.

- **Multiscreen Function**
  With the Network Utility installed, you can project up to four different images to four different projectors just from one computer. This multiscreen function would be useful for presentations at a large conference or seminar.
  * Multiscreen function is not supported on Windows® 7. This function is not for projection of one computer image data to multiple projectors.

- **Project Management Utility**
  You can now operate your projector such as turning the power on or off or changing the settings for multiple network projectors via the LAN network. In addition, with PJLink compatibility, you can manage other brands of network projectors that are PJLink-compatible.
  * PJLink is a standardised open protocol established by the Japan Business Machine and Information System Industries Association (JBMIA) for controlling projectors on a network.

- **Status Notification By Email**
  Automatically sends notification of error messages to a specified email address to alert the user whenever maintenance is required (e.g. when a lamp needs to be replaced).
  * A system for sending email, such as an SMTP server is required.

^ Applicable for WX3231N and X3241N models only.

Designed for high quality images

- **3-LCD System**
  3-LCD Technology divides the light into three basic colour of red, green and blue. This system has excellent colour reproduction and brightness.

- **Natural Colour Enhancer (NCE)^ Technology**



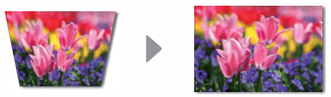
Natural Colour Enhancer^, a colour compensation technology developed by Ricoh instantly differentiates between Computer Graphics and natural images, ameliorates poor colour reproduction in dark areas and reproduces vivid colours for the best image quality.

Designed to perform

- **Quick Start and Quick Shutdown**
  Requires just 8 seconds* starting up. And when you are done, just unplug the projector and proceed to the next presentation – without wasting time.
  * Time for the lamp to light up.

- **Auto Set Function**
  Automatically adjusts for flicker and the position of the projected image for optimum picture performance.*
  * Only for computer signals.

- **Auto Keystone Function**



Automatically corrects distortion, allowing images to be projected with correct geometry even when installation space is limited.