



## PT-RZ470 Series

1-Chip DLP™ Projectors

**PT-RZ470**

3,500 lm Full HD

**PT-RW430**

3,500 lm WXGA

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## Specifications

Model	PT-RZ470	PT-RW430	
Power supply	100-240 V AC, 5.2-2.0 A, 50/60 Hz		
Power consumption	460 W (470 VA) (250 W*1 with LIGHT POWER set to NORMAL, 200 W*1 with LIGHT POWER set to Ecosave1, 178 W*1 with LIGHT POWER set to Ecosave2) (0.5 W with STANDBY MODE set to ECO*2, 8 W with STANDBY MODE set to NORMAL)		
DLP™ chip	Panel size	16.5 mm (0.65 inches) diagonal (16:9 aspect ratio)	
	Display method	DLP™ chip x 1, DLP™ projection system	
	Pixels	2,073,600 (1,920 x 1,080) pixels	
Lens	Manual zoom (2.0x), manual focus, F 2.0–3.4, f 21.5–43.0 mm		
Throw ratio	1.46-2.94:1	1.53-3.09:1	
Light source	LED/Laser-combined (R, B: LED; G: Laser diode)		
Screen size (diagonal)	1.02-7.62 m (40-300 inches), 16:9 aspect ratio	1.02-7.62 m (40-300 inches), 16:10 aspect ratio	
Brightness*3	3,500 lm		
Center-to-corner uniformity*3	90 %		
Contrast*3	20,000:1 (full on/full off)		
Resolution	1,920 x 1,080 pixels (Input signals that exceed this resolution will be converted to 1,920 x 1,080 pixels.)	1,280 x 800 pixels (Input signals that exceed this resolution will be converted to 1,280 x 800 pixels.)	
Scanning frequency	HDMI/DVI-I(digital)	fh: 27-100 kHz, fv: 24-120 Hz, dot clock: 25-162 MHz	
	DVI-I(analog)/RGB	fh: 15-100 kHz, fv: 24-120 Hz, dot clock: 162 MHz or lower	
	YPbPr (YCbCr)	fh: 15.75 kHz, fv: 60 Hz [480i (525i)] fh: 31.50 kHz, fv: 60 Hz [480p (525p)] fh: 45.00 kHz, fv: 60 Hz [720 (750)/60p] fh: 33.75 kHz, fv: 60 Hz [1035 (1125)/60i] fh: 28.13 kHz, fv: 50 Hz [1080 (1125)/50i] fh: 27.00 kHz, fv: 24 Hz [1080 (1125)/24p] fh: 33.75 kHz, fv: 30 Hz [1080 (1125)/30p] fh: 56.25 kHz, fv: 50 Hz [1080 (1125)/50p]	fh: 15.63 kHz, fv: 50 Hz [576i (625i)] fh: 31.25 kHz, fv: 50 Hz [576p (625p)] fh: 37.50 kHz, fv: 50 Hz [720 (750)/50p] fh: 33.75 kHz, fv: 60 Hz [1080 (1125)/60i] fh: 28.13 kHz, fv: 25 Hz [1080 (1125)/25p] fh: 27.00 kHz, fv: 48 Hz [1080 (1125)/24sF] fh: 67.50 kHz, fv: 60 Hz [1080 (1125)/60p]
	Video	fh: 15.75 kHz, fv: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fh: 15.63 kHz, fv: 50 Hz [PAL/PAL-N/SECAM]	
Optical axis shift	Vertical	+73%, -48% from center of screen (manual)	+69%, -46% from center of screen (manual)
	Horizontal	+35%, -27% from center of screen (manual)	+37%, -28% from center of screen (manual)
Keystone correction range	Vertical: ±40 °		
Installation	Ceiling/floor, front/rear		



<b>Terminals</b>	<b>HDMI IN</b>	HDMI 19-pin x 1 (Deep Color, compatible with HDCP) 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p, 1080/60p, 1080/50p, VGA (640 x 480)-WUXGA (1,920 x 1,200)*4, compatible with non-interlaced signals only, dot clock: 25-162 MHz, audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)
	<b>DVI-I IN</b>	DVI-I 29-pin x 1 Digital: (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/25p, 1080/24p, 1080/24sF, 1080/30p, 1080/60p, 1080/50p, VGA (640 x 480)-WUXGA (1,920 x 1,200)*4, compatible with non-interlaced signals only, dot clock: 25-162 MHz; Analog: (RGB/Y/PbPR (YCbCr))
	<b>COMPUTER (RGB) IN</b>	D-Sub HD 15-pin (female) x 1 (RGB/Y/PbPR/YCbCr x 1)
	<b>VIDEO IN</b>	Pin jack x 1 (Composite VIDEO)
	<b>AUDIO IN</b>	M3 x 1 (L-R x 1)
	<b>AUDIO OUT</b>	M3 x 1 (L-R x 1) for output (variable)
	<b>SERIAL IN</b>	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
	<b>LAN/DIGITAL LINK</b>	RJ-45 x 1 (for network and DIGITAL LINK (video/audio/network/serial control) connection, 100Base-TX, compatible with PLink™, HDCP compatible, Deep Color compatible) 480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p, VGA (640 x 480)-WUXGA (1,920 x 1,200)*4, compatible with non-interlaced signals only, dot clock: 25-162 MHz
	<b>3D SYNC OUT</b>	Mini DIN 3-pin x 1, for 3D transmitter connection
<b>Cabinet materials</b>	Molded plastic	
<b>Dimensions (W x H x D)</b>	455 x 137*5 x 415 mm (17-29/32 x 5-13/32*5 x 16-11/32 inches) (lens included)	
<b>Weight*6</b>	Approximately 11.0 kg (24.3 lbs)	
<b>Operation noise*3</b>	35 dB ( LIGHT POWER mode: NORMAL), 29 dB ( LIGHT POWER mode: LOW)	
<b>Operating environment</b>	Operating temperature: 0-45 °C*7 (32-113 °F*7), operating humidity: 20-80 % (no condensation)	
<b>Supplied accessories</b>	Power cord (with secure lock) x 1*8, wireless remote control unit, batteries for remote control (R6/LR6/AA type x 2), software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software)	

\* Product numbers vary depending on the market. The general guideline is as follows:

The product number in the Americas and Taiwan is PT-RZ470KU/RZ470WU/RW430KU/RW430WU.

The product number in Europe (except the UK) and CIS is PT-RZ470KE/RZ470WE/RW430KE/RW430WE.

The product number in the UK, Asia (except Taiwan), Oceania, Middle East, and Africa is PT-RZ470KEA/RZ470WEA/RW430KEA/RW430WEA.

\*1 In STANDARD/GRAPHIC picture mode. Measured based on the power consumption rate and a measurement method for the TV receiver.

\*2 When the STANDBY MODE is set to ECO, network functions such as power on over the LAN network will not operate.

Also, only certain commands can be received for external control using the serial terminal.

\*3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.

\*4 WUXGA resolution is supported only when the signals are compliant with VESA CVT-RB (Coordinated Video Timing-Reduced Blanking).

\*5 With legs at shortest position.

\*6 Average value. May differ depending on the actual unit.

\*7 0-40 °C (32-104 °F) between 1,400 m and 2,700 m (4,593 ft and 8,858 ft) above sea level.

If the ambient temperature exceeds 35 °C (95 °F), the light output may be reduced to protect the projector.

\*8 Power cords available (x 2) for the PT-RZ470KEA/RZ470WEA/RW430KEA/RW430WEA.

## NOTES ON USE

1. Do not install the projector in locations that are subject to excessive water, humidity, steam, or oily smoke.

Doing so may result in fire, malfunction, or electric shock.

2. Please observe the following precautions:

- Never place objects on top of the projector while it is in operation.
- Make sure there is an unobstructed space of 500 mm (1 ft 8 in) or more around the projector's exhaust openings.
- Do not stack projector units directly on top of one another for the purpose of multiple (stacked) projection.  
When stacking projector units, be sure to provide the recommended space between units.  
These space requirements also apply to installation where only one projector unit is operating at one time and the other unit is used as a backup.
- Make sure that nothing blocks the projector's air intake and exhaust openings.  
Also, install the projector so that cool or hot air from other air conditioning equipment does not flow directly toward the projector's air intake or exhaust openings.
- Do not install the projector in an enclosed space. If it is necessary to install it in an enclosed space, add a separate ventilation system.  
If ventilation is insufficient, hot air will accumulate at the intake opening. This may cause the projector's protective circuit to interrupt projector operation.
- If the projector is placed in a box, ensure that the projector's intake and exhaust openings are not blocked.  
Take particular care to ensure that hot air from the exhaust openings is not sucked into the intake openings.
- To install and use the projector via a method that does not use the adjustable feet in a floor standing installation, fix the projector using the four screw holes for ceiling mounting. (Screw diameter: M4, tapping depth inside the set: 10 mm, torque: 1.25 ± 0.2 N-m)

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