PRELIMINARY Technical specifications are subject to change without notice.

Panasonic

PT-RZ670 SERIES 1-CHIP DLP™ PROJECTORS

WORLD'S FIRST*1 LASER LIGHT SOURCE 1-CHIP DLP™ PROJECTORS WITH 6,500 LM OF BRIGHTNESS

PT-RZ670B/W	PT-RW630B/W
6,500 lm	6,500 lm
WUXGA (1920 × 1200)	WXGA (1280 × 800)

NOTE: Models without lenses (PT-RZ670LB/ RZ670LW/RW630LB/RW630LW) are also available. The specifications are the same as those of the PT-RZ670B/ RZ670W/RW630B/RW630W respectively.
All models are offered in a black (PT-RZ670B/RZ670LB/RW630B/RW630LB) or white (PT-RZ670W/ RZ670LW/RW630W/RW630LW) cabinet.

Long-Lasting Reliability and High Picture Quality

- Reliable drive system enables continuous 24/7 operation with no downtime.
- Long-lasting brightness and low maintenance enable TCO (total cost of ownership) to be reduced.
- Laser light source and filter-less design allow maintenance-free operation for 25,000 hours*2
- A new liquid cooling system maintains quiet, long-term, stable operation whilst keeping the exhaust heat extremely low.
- A filter-less, dust-resistant structure with an airtight optical block.
- Detail Clarity Processor 3 gives natural clarity to even the finest details.
- System Daylight View 2 enhances colour perception with no need to turn off the lights.
- Advanced technologies for excellent image quality including full 10-bit signal processing.
- DICOM Simulation mode reproduces easy-to-view rendering of X-ray photos.*3
- Waveform Monitor for easy and precise calibration.

Expanding Installation Flexibility

- Multi-Screen Support System: edge blending, colour matching and multi-screen processor.
- Multi-Unit Brightness Control function.
- Flexible layout thanks to vertical and horizontal 360-degree installation.
- Lens-centred design and a wide horizontal/vertical lens shift.
- Geometric Adjustment for specially shaped screens. (PT-RZ670)
- Optional Upgrade Kit ET-UK20 featuring Geometry Manager Pro for more flexible geometric adjustment and modified masking functions. (PT-RZ670)
- Optional ET-CUK10*4 Auto Screen Adjustment Upgrade Kit for automatic multi-screen projection setup. (PT-RZ670)
- A wide selection of optional lenses including the ET-DLE030 ultra-short throw lens.

Professional System Integration

- DIGITAL LINK transmits digital signals (HDMI, uncompressed HD video, audio, and control signals) up to 100 m (328 ft) with a single CAT5e cable or higher.
- Quick on/off: Image appears immediately and no need for cooling after use.
- Shutter function with fade in/out effect.
- No on/off cycle limitation
- Art-Net*5 compatible.
- Abundant terminals, including SDI (3G/HD/SD), DVI-D and HDMI inputs.
- Optional: ET-YFB100G Digital Interface Box for single cable solution / ET-MWP100G Multi Window Processor for multi-screen solution.
- Multi Projector Monitoring and Control Software allows multiple projectors to be managed together over a wired LAN or RS-232C.
- Web Browser Control.
- PJLink™ compatible.
- P-in-P function.
- Scheduling function.
- Optional Early Warning Software ET-SWA100 Series compatible.

Optional accessories

Zoom lens

ET-DLE080

ET-DLE085

ET-DLE150

ET-DLE250

ET-DLE350

ET-DLE450

Fixed-focus lens

ET-DLE030

ET-DLE055

Upgrade kit (PT-RZ670 only)
ET-UK20
(Geometry Manager Pro included)

ET-CUK10
(Auto Screen Adjustment)

Ceiling mount bracket
ET-PKD120H
(for high ceilings)

ET-PKD130H
(for high ceilings, with 6-axis adjustment)

ET-PKD120S
(for low ceilings)

ET-PKD130B
(attachment for ceiling mount bracket)

Early Warning Software

ET-SWA100 Series

SPECIFICATIONS (TENTATIVE)

Model		PT-RZ670/RZ670L	PT-RW630/RW630L
Power supply		120 V–240 V AC, 8.5–4 A, 50/60 Hz	
Power consumption		820W (835VAat120V)	
		(0.4*6 W with LIGHT POWER set to ECO*7,4 W*6 with LIGHT POWER set to NORMAL.)	
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10)	16.5 mm (0.65 in) diagonal (16:10)
	Display method	DLP™ chip × 1,	DLP™ chip × 1,
	Pixels	DLP™ projection system	DLP™ projection system
		2,304,000 (1,920 × 1,200) pixels	1,024,000 (1,280 × 800) pixels
Lens	PT-RZ670/RW630	Powered zoom (1.7–2.4:1),	Powered zoom (1.8–2.5:1),
		powered focus F 1.7–1.9, f 25.6 – 35.7 mm	powered focus F 1.7–1.9, f 25.6 – 35.7 mm
	PT-RZ670L/RW630L	Optional powered zoom/focus lenses and fixed-focus lens	
Light source		Laser diode	
Screen size (diagonal)		1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with the ET-DLE055, 2.54–8.89 m (100–350 in)with the ET-DLE030, 16:10 aspect ratio	
Brightness*8		6,500 lm	
Centre-to-corner uniformity*8		90%	
Contrast*8		TBD	
Resolution		1,920 × 1,200 pixels	1,280 × 800 pixels*9
Scanning frequency			
-	SDI	3G-SDI*10/HD-SDI*11/SD-SDI*12	
-	HDMI/DVI-D	fH: 15–100 kHz, fV: 24–120 Hz, dot clock: 25–162 MHz	
-	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: 37.50 kHz, fV: 50 Hz [720 (750)/50p], fH: 27.00 kHz, fV: 24 Hz [1080 (1125)/24p]	
		fH: 31.50 kHz, fV: 60 Hz [480p (525p)], fH: 33.75 kHz, fV: 60 Hz [1035 (1125)/60i], fH: 27.00 kHz, fV: 48 Hz [1080 (1125)/24sF]	
		fH: 15.63 kHz, fV: 50 Hz [576i (625i)], fH: 33.75 kHz, fV: 60 Hz [1080 (1125)/60i], fH: 33.75 kHz, fV: 30 Hz [1080 (1125)/30p]	
		fH: 31.25 kHz, fV: 50 Hz [576p (625p)], fH: 28.13 kHz, fV: 50 Hz [1080 (1125)/50i], fH: 67.50 kHz, fV: 60 Hz [1080 (1125)/60p]	
		fH: 45.00 kHz, fV: 60 Hz [720 (750)/60p], fH: 28.13 kHz, fV: 25 Hz [1080 (1125)/25p], fH: 56.25 kHz, fV: 50 Hz [1080 (1125)/50p]	
	Video/VC	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*13		V: +50 %, H: ±10 % (powered)	V: +60 %, H: ±10 % (powered)
		V: +50 %, H: ±10 % (powered)	V: +60 %, H: ±10 % (powered)
Keystone correction range		V: ±40°*14/15, H: ±15°*16/17	V: ±40°*18
Keystone correction range with the optional upgrade kit ET-UK20		V: ±40°*19/20, H: ±40°*20/21	–
Installation		Vertical, horizontal and tilting 360-degree projection capable	
Terminals	SDI IN	BNC × 1 (3G/HD/SD-SDI)	–
	HDMI IN	HDMI 19-pin × 1 (Deep Colour, compatible with HDCP)	
	DVI-D IN	DVI-D 24-pin × 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)	
	RGB1 IN	BNC × 5 (RGB/YPBPR/YCBCR/video/YC × 1)	
	RGB2 IN	D-Sub HD 15-pin (female) × 1 (RGB/YPBPR/YCBCR × 1)	
	SERIAL IN	D-sub 9-pin (female) × 1 for external control (RS-232C compliant)	
	SERIAL OUT	D-sub 9-pin (male) × 1 for link control	
	REMOTE 1 IN	M3 × 1 for wired remote control	
	REMOTE 1 OUT	M3 × 1 for link control (for wired remote control)	
	REMOTE 2 IN	D-sub 9-pin (female) × 1 for external control (parallel)	
	LAN / DIGITAL LINK	RJ-45 × 1 (for network and DIGITAL LINK (video/audio/network/serial control) connection, 100Base-TX, compatible with Art-Net, compliant with PJLink™, Deep Colour, compatible with HDCP)	
Dimensions (W × H × D)		PT-RZ670/RW630: 498 × 200*22 × 588 mm (19-19/32 × 7-7/8*22× 23-5/32 in) (with supplied lens) PT-RZ670L/RW630L: 498 × 200*22× 538 mm (19-19/32 × 7-7/8*22× 21-3/16 in) (without lens)	
Weight*23		PT-RZ670/RW630: Approx. 23.0 kg (50.7 lbs) or less (with supplied lens); PT-RZ670L/RW630L: approx. 22.0 kg (48.5 lbs) or less (without lens)	
Operation noise*8		35 dB (LIGHT POWER mode: NORMAL)	
Operating environment		TBD	
Supplied accessories		Power cord with secure lock, wireless/wired remote control unit, batteries (R03/AAA type × 2), software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software)(× 1)	

*1 For 1-chip DLP™ projectors, as of January 2014. *2 A guideline for light source replacement. The maintenance-free period may be shortened due to environmental conditions. *3 This product is not a medical instrument. Do not use it for actual medical diagnosis. *4 Availability is limited to certain regions only. *5 Art-Net is a protocol for transmitting the lighting control protocol DMX512 over Ethernet. *6 In standard/graphic picture mode. Measured based on the power consumption rate and a measurement method for the TV receiver. *7 When the standby mode is set to eco, network functions such as power on over the LAN will not operate. Also, only certain commands can be received for external control using the serial terminal. *8 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *9 Input signals that exceed this resolution will be converted to 1,280 × 800 pixels. *10 SMPTE ST 424 compliant, [RGB 4:4:4 12-bit/10-bit] 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/25p, 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/30p, [YPBPR 4:2:2 10-bit] 1125 (1080)/60p, 1125 (1080)/50p. *11 SMPTE ST 292 compliant, [YPBPR 4:2:2 10-bit] 750 (720)/60p, 750 (720)/50p, 1125 (1035)/60i, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/25p, 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/30p. *12 SMPTE ST 259 compliant, [YCBCR 4:2:2 10-bit] 525i (480i), 625i (576i). *13 Optical axis shift cannot be operated with the ET-DLE055/DLE030. *14 ±30° with the ET-DLE085/DLE055 and +5° with the ET-DLE030. *15 ±20° (±8° with the ET-DLE085/DLE055) when using both the KEYSTONE and CURVED corrections of the Geometric Adjustment function. *16 When using the KEYSTONE corrections of the Geometric Adjustment function. *17 ±15° (±8° with the ET-DLE085/DLE055) when using both the KEYSTONE and CURVED corrections of the Geometric Adjustment function. *18 Not operable with the ET-DLE030. *19 Up to a total of ±55° during simultaneous horizontal and vertical correction. *20 ±40° with the ET-DLE150/DLE250/supplied lens, ±22° with the ET-DLE085/DLE055 and +5° with the ET-DLE030. *21 ±15° with the ET-DLE085/DLE055 (±8° when using both the KEYSTONE and CURVED corrections of the Geometric Adjustment function). *22 With legs at shortest position. *23 Average value. May differ depending on the actual unit.

For more information about Panasonic projectors, please visit:
Projector Website – business.panasonic.co.uk/visual-system

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