Panasonic CONNECT

The PT-RZ990 Series delivers the brightness, resolution, and colour that designers need to enhance exhibits with bright, bold, and vivid pictures

PT-RZ690/RZ690L

Deepen immersion in any environment with vivid, accurate colours backed by up to 10,000 lm*1 of brightness thanks to Quartet Colour Harmonizer and 1-Chip DLP™ imaging technology. With support for 4K/60p input signals, separate DIGITAL LINK and LAN terminals, and diverse optional lenses, these projectors reduce installation hassles

Key Features

- Laser 1-chip DLP, 6,200 lm (center)/ 6,000 lm (ANSI), WUXGA
- Quartet Colour Harmonizer technology for more accurate colour reproduction
- Maintenance free up to 20.000 hours with dust-resistant optical block and long lasting laser engine
- Supports 4K/60p Signal Input, separate DIGITAL LINK and LAN terminals

DIGITAL LINK SINGLE CABLE SOLUTION

Geo. Pro

24/7 Operation

360°

SOLID SHINE LASER

ACCEPTS 4K SIGNAL

360°

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PT-RZ690/RZ690L

https://ap.connect.panasonic.com/vn/en/products/projectors/pt-rz690rz690l

Projector type	1-Chip DLP™ projector
Display method	DLP™ chip x 1, DLP™ projection system
Display Device -> Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
Display Device -> Number of pixels	2,304,000 (1920 x 1200 pixels)
Light source	Laser diodes
Light output *1	6,000 lm [NORMAL]
Light output (ANSI)	6,000 lm [NORMAL]
Light output (Center) *1 *2	6,200 lm (Center)
Time until light output declines to 50 % -> NORMAL *3	20,000 hours [NORMAL]
Time until light output declines to 50 % -> ECO *3	24,000 hours [ECO]
Time until light output declines to 50 % -> QUIET *4	20,000 hours [QUIET]
Resolution	1920 x 1200 pixels
Contrast Ratio (typ.) *1	10,000:1 (Full On/Full Off, Dynamic Contrast [3])
Screen size (diagonal)	1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with ET-DLE055,2.54–8.89 m (100–350 in) with ET-DLE035, 2.54–10.16 m (100–400 in) with ET-DLE020, 16:10 aspect ratio
Center-to-corner zone ratio *1	90 %
Lens	PT-RZ690: Powered zoom (throw ratio 1.71–2.41:1), powered focus F 1.7–1.9, f 25.6–35.7 mmPT-RZ690L: Optional powered zoom/focus lenses
Lens shift -> Vertical(from center of screen) *4	+50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered)
Lens shift -> Horizontal(from center of screen) *4	+30 %, -10 %(+10 %, -20 % with ET-DLE020, +19 %, -10 % with ET-DLE060, +28 %, -10 % with ET-DLE105/ET-DLE085) (powered)
Keystone correction range	Vertical: ±40 ° (±5 ° with ET-DLE020, ±16 ° with ET-DLE060, ±22 ° with ET-DLE105/ET-DLE085/ET-DLE055, +5 ° with ET-DLE035),Horizontal: ±15 ° (±10 ° with ET-DLE060) (cannot be operated with ET-DLE035/ET-DLE020)
Keystone correction range with optionalET-UK20 Upgrade Kit	Vertical: ±45 ° (±16 ° with ET-DLE060, ±40 ° with ET-DLE150/ET-DLE250/ET-DLE170, ±22 ° with ET-DLE105/ET-DLE085/ET-DLE055),Horizontal: ±40 ° (±10 ° with ET-DLE060, ±15 ° with ET-DLE105/ET-DLE085/ET-DLE055)When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °.
Installation	Ceiling/floor, front/rear, free 360-degree installation
Terminals -> SDI IN	BNC x 1 : 3G/HD/SD-SDI input
Terminals -> HDMI™ IN	HDMI™ 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*5)
Terminals -> DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
Terminals -> COMPUTER IN（RGB IN）	RGB x 1 (BNC x 5): (RGB/YP_BP_R/YC_BC_R)
Terminals -> COMPUTER IN（D-SUB 15pin）	D-sub HD 15-pin (female) x 1: (RGB/YP_BP_R/YC_BC_R)
Terminals -> SERIAL/MULTI-PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
Terminals -> SERIAL/MULTI-PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control
Terminals -> REMOTE 1 IN	M3 x 1 for wired remote control
Terminals -> REMOTE 1 OUT	M3 x 1 for link control (for wired remote control)
Terminals -> REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
Terminals -> DIGITAL LINK IN / LAN	RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PJLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible, 4K/60p signal input*5
Terminals -> LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible
Power supply	AC 100–240 V, 50/60 Hz
Maximum power consumption	565 W (5.9–2.4 A)
On-mode power consumption(Operating mode) -> Normal	[NORMAL] 490 W
On-mode power consumption(Operating mode) -> Eco	[ECO] 395 W
On-mode power consumption(Operating mode) -> Quiet *7	PT-RZ990/RZ990L : [QUIET1] 490 W, [QUIET2] 365 WPT-RZ890/RZ890L : [QUIET1] 460 W, [QUIET2] 345 W
Standby power consumption -> Normal	[Standby Mode set to NORMAL] 7 W
Standby power consumption -> ECO	[Standby Mode set to ECO] 0.5 W
Cabinet materials	Molded plastic

Filter	No
Operation noise -> Normal [*1]	35 dB [NORMAL]
Operation noise -> Quiet [*1]	PT-RZ990/RZ990L/RZ890/RZ890L : 36 dB [QUIET1], 35 dB [QUIET2]
Dimensions (W x H x D)	PT-RZ690: 498 x 200*6 x 581 mm (19 19/32″ x 7 7/8″*6 x 22 7/8″) (with supplied lens)PT-RZ690L: 498 x 200*6 x 538 mm (19 19/32″ x 7 7/8″*6 x 21 3/16″) (without lens)
Dimensions -> Width (including protruding parts)	PT-RZ690:498 mm (19 19/32″)PT-RZ690L:498 mm (19 19/32″)
Dimensions -> Height (including protruding parts)	PT-RZ690:200 mm (7 7/8″)PT-RZ690L:200 mm (7 7/8″)
Dimensions -> Depth (not including protruding parts)	PT-RZ690L:538 mm (21 3/16″)
Dimensions -> Depth (including lens)	PT-RZ690:581 mm (22 7/8″)
Weight [*7]	PT-RZ690: Approx. 22.1 kg (48.7 lbs) (with supplied lens) PT-RZ690L: Approx. 21.3 kg (47.0 lbs) (without lens)
Operating environment -> Operating temperature [*8 *9]	0–45 °C (32–113 °F)
Operating Environment -> Operating humidity (No condensation)	10–80 % (no condensation)
Applicable software	Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android™
Body Colour	Black/White
NFC	https://docs.connect.panasonic.com/projector/products/smartpjcontrol/regional.html#regional
Footnote Description	1. Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is the average of all products when shipped. 2. Measurement, measuring conditions, and method of notation all comply with American National Standards Institute standards. Value is the average of all products when shipped. 3. Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode. 4. Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, Normal Mode, Dynamic Contrast [3], under conditions with 30 °C (86 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. 5. Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. 6. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. 7. With legs at shortest position. 8. Average value. May differ depending on the actual unit. 9. The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.