



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





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	20,000 hours [NORMAL]
50 % -> NORMAL *3	
Time until light output declines to	24,000 hours [ECO]
50 % -> ECO *3	
Time until light output declines to	20,000 hours [QUIET]
50 % -> QUIET *6	
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 mm PT-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 optional ET-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/YPbPr/YCbCr)
Terminals -> COMPUTER IN (D-SUB 15pin)	D-sub HD 15-pin (female) x 1: (RGB/YPbPr/YCbCr)
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 *8	PT-RZ990/RZ990L: [QUIET1] 490 W, [QUIET2] 365 W PT-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 ->	10-80 % (no condensation)
Operating humidity (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 TM
Footnote Description	<p>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.</p> <p>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.</p> <p>3. Average light-output value of all shipped products measured at the center of the screen in NORMAL Mode.</p> <p>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.</p> <p>5. Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035.</p> <p>6. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®.</p> <p>7. With legs at shortest position.</p> <p>8. Average value. May differ depending on the actual unit.</p> <p>9. The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.</p>

Body Colour	Black/White
NFC	https://docs.connect.panasonic.com/projector/products/smarterpjcontrol/regional.html#regional