Panasonic
BUSINESS

PT-RZ890

1-Chip DLP™ Projectors

PT-**RZ890**/PT-**RZ890L**

Compact and Flexible 1-Chip DLP™ Projectors Deliver Elite Color Performance in Any Exhibition Space

Main Features

01 Power to Impress with Accurate Colors

Deepen immersion in any environment with high brightness, rich color, and accurate white balance thanks to Quartet Color Harmonizer and 1-Chip DLP™ imaging technology.

02 Easy to Install and Integrate

With versatile apps and functions, diverse optional lenses, support for 4K input signals*1, and separate DIGITAL LINK and LAN terminals, these projectors reduce installation hassles with convenient flexibility.

03 Reliable Even in Harsh Conditions

Engineered for 20,000 hours*2 of maintenance-free reliability with lasting brightness and color uniformity from the industry's leading dust-resistant optical engine.

Black Models

White Models

PT-RZ890

	PT-RZ890/PT-RZ890L*3
Light Output	8,500 lm*4/8,800 lm (Center)*5
Resolution	WUXGA

*1 Supports signals up to 4K/60p. 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *2 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast [3], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. *3 Model sold without a lens. *4 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. *5 Average light-output value of all shipped products measured at center of screen in Normal Mode.

Accurate Color Reproduction

Quartet Color Harmonizer is a color-wheel technology featuring an optimized optical design. It precisely modulates light-output to color requirements for pure white. With the color uniformity of DLP™ devices supporting seamless edge-blends, an immersive single- or multi-screen projection experience is assured.

Flexible, Convenient Installation

Select from a family of 11 optional lenses including the new ET-DLE020 Ultra-Short-Throw Zoom Lens. Free Grid function corrects screen distortion without PC connection, while Smart Projector Control app expedites setup.

Scan the QR for details on Smart Projector Control.

Supports 4K Signal Input

The PT-RZ890 supports 4K input signals*1 and fits seamlessly into 4K-ready infrastructure. Separate LAN terminal for control frees DIGITAL LINK for high-bandwidth video over long cable runs up to 150 m (492 ft)*2.

20,000 Hours' Maintenance-free

Class-leading dust resistance, airtight optical block, and filterless cooling team with failover-protected dual-laser drive to extend maintenance-free projection to 20,000 hours*3. Backup input-switching*4 adds extra insurance.

Other Features

- System Daylight View 3 and Detail Clarity Processor 3
- Dynamic Contrast Sync and Shutter Sync functions
- Multi-Unit Brightness and Color Control
- Supports Crestron®, AMX, and Extron® control
- Quick Start and Quick Off
- Geometry Manager Pro Software with optional expansion kits
- Multi Monitoring & Control Software with optional Early Warning Functions*5

*1 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. *2 CAT 5e cable or higher required. Transmission of up to 150 m (492 ft) for 1080/60p signals requires an optional ET-YFB200G DIGITAL LINK Switcher and the projector set to Long Reach Mode. 4K/60p signal transmission is supported for up to 50 m (164 ft). *3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, Normal Mode, Dynamic Contrast [3], temperature 30 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m^3 of airborne particulate matter. Panasonic recommends cleaning or checkup at point of purchase after about 20,000 hours. Light-source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. Estimated maintenance time varies depending on environment. *4 The combination of primary/secondary input terminals is fixed. Input switching occurs automatically when the signal to the primary input is disrupted or restored. Backup Input Setting is enabled only when the input signal to primary and secondary terminals is the same. *5 A free 90-day trial of Early Warning Functions is available upon installation of free Multi Monitoring & Control Software Ver. 2.0 or later. Purchase a license and activate at PASS when trial period expires to continue using Early Warning Functions.

Specifications

Model / With supplied lens/Without lens		PT-RZ890/PT-RZ890L
Projector type		1-Chip DLP™ projector
DLP™ chip	Panel size	17.0 mm (0.67 in) diagonal (16:10 aspect ratio)
	Number of pixels	2,304,000 (1920 x 1200 pixels)
Light source		Laser diodes
Light output		8,500 lm (Normal)*1/8,800 lm (Center)*2/6,800 lm (Eco)*1/7,200 lm (Quiet 1)*1/5,400 lm (Quiet 2)*1/3,400 lm (Long Life 1)*1/2,900 lm (Long Life 2)*1/2,300 lm (Long Life 3)*1
Time until light output declines to 50 %*3		20,000 hours (Normal/Quiet 1/Quiet 2)/24,000 hours (Eco)
Resolution		1920 x 1200 pixels
Contrast ratio*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		With supplied lens: Powered zoom (throw ratio 1.71–2.41:1), powered focus F 1.7–1.9, f 25.6–35.7 mm Without lens: Optional powered zoom/focus lenses
Lens shift*4 (From the origin point of the lens mounter)	Vertical	+50 %, -16 % (+40 %, -16 % with ET-DLE060) (powered)
	Horizontal	+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 °.
Terminals	SDI IN	BNC x 1: 3G/HD/SD-SDI input
	HDMI IN	HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*5)
	DVI-D IN	DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)
	RGB 1 IN	RGB x 1 (BNC x 5): RGB/YPBPR/YCBCR
	RGB 2 IN	D-sub HD 15-pin (female) x 1: RGB/YPBPR/YCBCR
	SERIAL/MULTI PROJECTOR SYNC IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)
	SERIAL/MULTI PROJECTOR SYNC OUT	D-sub 9-pin (male) x 1 for link control
	REMOTE 1 IN	M3 x 1 for wired remote control
	REMOTE 1 OUT	M3 x 1 for link control (for wired remote control)
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)
	DIGITAL LINK	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
	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
Power consumption		690 W (Normal)/550 W (Eco)/460 W (Quiet 1)/345 W (Quiet 2)/250 W (Long Life 1)/225 W (Long Life 2)/200 W (Long Life 3)
Operation noise*1		40 dB (Normal) / 36 dB (Quiet 1) / 35 dB (Quiet 2)
Dimensions (W x H x D)		With supplied lens: 498 x 200*6 x 581 mm (19 19/32″ x 7 7/8″*6 x 22 7/8″) Without lens: 498 x 200*6 x 538 mm (19 19/32″ x 7 7/8″*6 x 21 3/16″)
Weight*7		With supplied lens: Approx. 23.0 kg (50.7 lbs) Without lens: Approx. 22.2 kg (48.9 lbs)
Operating environment		Operating temperature: 0–45 °C (32–113 °F)*8, operating humidity: 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™

*1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. *2 Average light-output value of all shipped products measured at center of screen in Normal Mode. *3 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/m^3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *4 Lens shift is not supported on the ET-DLE055, and the optical axis is fixed with the ET-DLE035. *5 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *6 With legs at shortest position. *7 Average value. May differ depending on the actual unit. *8 The light output may be reduced to protect the projector depending on the temperature or altitude of operational environment.

Optional Accessories

- **Fixed-Focus Lens**
  ET-DLE035 (0.380:1) / ET-DLE055 (0.785:1)
- **Zoom Lens**
  ET-DLE020 (0.280–0.299:1) / ET-DLE060 (0.600–0.801:1) / ET-DLE085 (0.782–0.977:1) / ET-DLE105 (0.978–1.32:1) / ET-DLE150 (1.30–1.89:1) / ET-DLE170* (1.71–2.41:1) / ET-DLE250 (2.27–3.62:1) / ET-DLE350 (3.58–5.45:1) / ET-DLE450 (5.36–8.58:1)
  ** The ET-DLE170 is equivalent of supplied lens. The availability of the ET-DLE170 varies depending on the country.*
- **Ceiling Mount Bracket**
  ET-PKD130H (6-axis, for high ceiling)
  ET-PKD120H (for high ceiling)
  ET-PKD120S (for low ceiling)
  Note: Use ET-PKD120H, ET-PKD120S, and ET-PKD130H in combination with ET-PKD130B. ET-PKD130H is recommended when used with ET-DLE035.
- **Projector Mount Bracket**
  ET-PKD130B
- **DIGITAL LINK Switcher**
  ET-YFB200G
  Note: ET-YFB200G is not compatible with 4K signals.
- **Digital Interface Box**
  ET-YFB100G
  Note: ET-YFB100G is not compatible with 4K signals.
- **Geometry Manager Pro Software Upgrade Kit**
  ET-UK20
- **Auto Screen Adjustment Upgrade Kit**
  ET-CUK10/ET-CUK10P
- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.
  ** Multi Monitoring & Control Software Ver. 2.0 or later is required. Please download from the following website: www.panasonic.net/cns/projector/download/application/*

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All information included here is valid as of November 2020.

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