Panasonic
CONNECT

PT-REZ12 Series
1-Chip DLP™ Projectors

AVAILABLE FROM CY2023 Q3
Note: Release date varies depending on country or region.

Evolved 1-Chip DLP™ Projectors with Powerful Contrast Transform Your Experience with a Smooth, Frictionless Workflow

Black Models

White Models

[Preliminary Specification] PT-REZ12 Series			
	PT-REZ12	PT-REZ10	PT-REZ80
Light Output	12,000 lm[3]	10,000 lm[3]	8,000 lm[3]
Resolution	WUXGA (1920 x 1200)		

Note: Specifications are tentative. Ships with ET-C1S600 lens included.

• High-Contrast Visuals Deepen Engagement

The refined REZ12 Series 1-Chip DLP™ laser projector features Evolved Dynamic Contrast with new scene-recognition circuitry for powerful contrast performance. In addition, improved black-level adjustment ensures seamless projection, while Rich Color Enhancer expands red color expression for more vibrant colors.

• Flexibility and Expandability for Timesaving Workflow

Simplify complex workflows with expanded interfaces, functions, and options. Adapt projection to different applications and environments with new lenses featuring powered peripheral focus[4], wider lens-shift, and enhanced native contrast. Expand and scale connectivity with proprietary or third-party[5] Intel® SDM-specified function boards, import your own test patterns[6], prep for setup without AC power via NFC function[7], and save time with preactivated upgrade kits for Geo Pro[8].

• All-New Compact Body Supports Maintenance-free Projection

REZ12 Series equips an hermetically sealed optical block and all-liquid cooling sourced from our 3-Chip DLP™ platform, enabling 20,000 hours[9] of maintenance-free operation. Backup Input[10] prevents screen-blanking by instantly switching to a secondary signal if the primary is disrupted, and high brightness is maintained if a diode fails thanks to Multi-Laser Drive Engine failovers.

1 Input signals are converted to the projector's display resolution upon playback. YP8PR 4:2:0 format only for 4K/60p signals input via DIGITAL LINK. 2 Only when optional TY-SB01DL DIGITAL LINK Terminal Board is loaded. 3 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. Value is average of all products when shipped. 4 Function supported on selected lenses only. 5 Third-party Intel® SDM-specified function boards sold separately. Panasonic cannot guarantee operation of third-party devices. 6 Supports PNG (1/8/16/24/32/48/64-bit, non-transparent, alpha blending disabled) and BMP (1/8/24-bit) formats with maximum resolution of 1920 x 1200 dots. 7 Projectors sold in some countries or regions require an ET-NUK10 Upgrade Kit available from PASS to activate NFC function. See NFC Regional Compatibility List for details. 8 Visit PASS to register your projector and download free Geometry Manager Pro software. 9 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 °C (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Panasonic recommends 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. 10 Primary and backup terminal assignment is fixed. Input signals to primary and backup inputs must be identical.

Specifications (Tentative)

Model		PT-REZ12	PT-REZ10	PT-REZ80
Projector type		1-Chip DLP™ projectors		
DLP™ chip	Panel size	0.8 in diagonal (16:10 aspect ratio)		
	Display method	DLP™ chip x 1, DLP™ projection system		
	Number of pixels	2,304,000 (1920 x 1200 pixels)		
Light source		Laser diode		
Light output [1, 2]		12,000 lm	10,000 lm	8,000 lm
Time until light output declines to 50 % [3]		20,000 hours (NORMAL/QUIET), 24,000 hours (ECO)		
Resolution		WUXGA (1920 x 1200 pixels)		
Contrast ratio [1]		20,000:1 (Full On/Full Off, Dynamic Contrast [3]) (TBD)		
Screen size (diagonal)		70–700 inches (with supplied lens)		
Center-to-corner zone ratio [1]		90 %		
Lens		Powered zoom (throw ratio 1.36–2.19:1 for supplied lens), powered focus (optional lenses also available)		
Lens shift (From the origin point of the lens mounter)	Vertical	±60 % (with supplied lens)		
	Horizontal	±29 % (with supplied lens)		
Keystone correction range		Vertical: ±40 °, Horizontal: ±40 ° (with supplied lens)		
Installation		Ceiling/floor, front/rear, free 360-degree installation		
Terminals	HDMI™ 1/2 IN	HDMI™ x 2 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input [4])		
	DisplayPort™	DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input [4])		
	MULTI SYNC IN	BNC x 1		
	MULTI SYNC OUT	BNC x 1		
	SERIAL IN	D-sub 9-pin (female) x 1 for external control (RS-232C compliant)		
	SERIAL OUT	D-sub 9-pin (male) x 1 for link control (RS-232C compliant)		
	REMOTE 1 IN	M3 stereo mini-jack x 1 for wired remote control		
	REMOTE 1 OUT	M3 stereo mini-jack x 1 for link control (for wired remote control)		
	REMOTE 2 IN	D-sub 9-pin (female) x 1 for external control (parallel)		
	LAN	RJ-45 x 1 for network connection, PJLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible		
	USB	USB connector (Type A) x 1 for optional AJ-WM50 Series Wireless Module/USB memory		
	DC OUT	USB Type A x 1 (for power supply, DC 5 V, 2 A)		
	Expansion slot	Open slot for for function boards, Intel® SDM compatible		
Protocol versions		IPv4, IPv6 [5]		
Power supply		AC 100–240 V, 50/60 Hz		
Power consumption [6]	Maximum power consumption	1,050 W (10.7–4.5 A) (1,070 VA) (TBD)	980 W (10–4.2 A) (1,000 VA) (TBD)	760 W (7.7–3.2 A) (770 VA) (TBD)
	On-mode power consumption (Operating mode) — NORMAL	900 W (TBD)	830 W (TBD)	600 W (TBD)
	ECO	700 W (TBD)	640 W (TBD)	475 W (TBD)
	QUIET	890 W (TBD)	630 W (TBD)	470 W (TBD)
Cabinet materials		Molded plastic		
Operation noise [1]		39 dB (NORMAL/ECO), 35 dB (QUIET)	37 dB (NORMAL/ECO), 33 dB (QUIET)	35 dB (NORMAL/ECO), 32 dB (QUIET)
Dimensions (W x H x D)		498 x 212 x 538 mm (19 $\frac{5}{8}$˝ x 8 $\frac{11}{32}$˝ x 21 $\frac{3}{16}$˝) (with feet at shortest position, not including protruding parts)		
Weight [7]		28.8 kg (63.49 lbs) with supplied lens (TBD)		
Operating environment		Operating temperature: 0–45 ℃ (32–113 °F) [8], operating humidity: 10–80 % (no condensation)		
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Early Warning Software, Geometry Manager Pro, Smart Projector Control for iOS/Android™		
Control function via LAN		Crestron Connected™ V2, Crestron XiO Cloud™, Art-Net DMX, AMX® DD, and PJLink™ (Class 2)		

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 When [PICTURE MODE] is set to [DYNAMIC] and [OPERATING MODE] is set to [NORMAL]. 3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast Contents, NORMAL Mode, Dynamic Contrast [3], temperature 35 ℃ (95 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of airborne particulate matter. Estimated time until light output declines to 50 % varies depending on environment. 4 4K signals are converted to WUXGA (1920 x 1200 pixels). 5 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 6 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 ℃ (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 7 Average value. May differ depending on the actual unit. 8 When optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 ℃ (32–104 °F). The operating environment temperature should be between 0 ℃ (32 °F) and 40 ℃ (104 °F) if the projector is used at an altitude between 1,400 m (4,593 ft) and 4,200 m (13,780 ft).

Optional Accessories

- **Zoom Lens**
  ET-C1U100 (0.308–0.330:1) [1] / ET-C1W300 (0.550–0.690:1) [2] / ET-C1W400 (0.680–0.950:1) [3] / ET-C1W500 (0.940–1.39:1) [3] / ET-C1S600 (1.36–2.10:1) [2] / ET-C1T700 (2.07–3.38:1) [3]
  Note: Lenses are equipped with Auto Lens Identification Function. ET-C1S600 is equivalent of supplied lens.
  1 Estimated for release in CY2023 Q4. 2 Estimated for release in CY2023 Q2. 3 Estimated for release in CY2023 Q3.
- **Ceiling Mount Bracket**
  ET-PKD120H (for high ceilings)
  ET-PKD120S (for low ceilings)
  ET-PKD130H (with 6-axis adjustment mechanism)
  Note: ET-PKD120H/PKD120S/PKD130H used in combination with ET-PKD130B (sold separately).

- **Function Boards**
  12G-SDI Terminal Board
  TY-SB01QS
  Wireless Presentation System Receiver Board
  TY-SB01WP
  DIGITAL LINK Terminal Board
  TY-SB01DL

- **Attachment for Ceiling Mount Bracket**
  ET-PKD130B
- **Wireless Module**
  AJ-WM50 Series
  Note: Availability may vary by country or region. The suffix at the end of the model number is omitted. Operating temperature: 0–40 ℃ (32–104 °F).
- **DIGITAL LINK Switcher / Digital Interface Box**
  ET-YFB200G / ET-YFB100G
  Note: ET-YFB200G/YFB100G is not compatible with 4K signals.

- **Wireless Presentation System PressIT**
  TY-WPS1 (Basic set)
  Note: Availability may vary by country or region.
- **NFC Upgrade Kit**
  ET-NUK10
  Note: Availability may vary by country or region.
- **Early Warning Software**
  ET-SWA100 Series
  Note: Part number suffix may differ depending on the license type.

Panasonic CONNECT

For more information about Panasonic projectors, please visit:
Projector Global Website – **https://panasonic.net/cns/projector/**
Facebook – **www.facebook.com/panasonicprojectoranddisplay**
YouTube – **www.youtube.com/user/PanasonicProjector**

*Note: Following the shift of the Panasonic Group to a holding company system, the Connected Solutions Company of the Panasonic Corporation has changed to **Panasonic Connect Co., Ltd.** as of April 1, 2022.*

All information included here is valid as of January 2023.