Panasonic
CONNECT

PT-REQ12 Series
1-Chip DLP™ Projectors

AVAILABLE FROM CY2023 Q2
Note: Release date varies depending on country or region.

Expand Production Possibilities and Revolutionize Workflow with Next-Generation 1-Chip DLP™ 4K Projectors

Black Models

White Models

DLP TEXAS INSTRUMENTS · SOLID SHINE LASER · 4K PROFESSIONAL · QUAD PIXEL DRIVE · 4K DIGITAL LINK[1] · ACCEPTS 4K SIGNAL · intel smart display module ready · 360° · Geo.Pro · 24/7 Operation · 240Hz High-speed

[Preliminary Specification] PT-REQ12 Series		
	PT-REQ12	**PT-REQ10**	**PT-REQ80**
Light Output	12,000 lm[2]	10,000 lm[2]	8,000 lm[2]
Resolution	4K (3840 x 2400)[3]		

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

• *Dynamic Visuals Take Production to New Heights*

REQ12 Series is among the first 1-Chip DLP™ projectors to feature Quad Pixel Drive, our 2-axis pixel-quadrupling technology, to create deep, smooth, and detailed 4K images. It supports 240 Hz[4] projection and works with our optional real-time tracking projection-mapping system. Evolved Dynamic Contrast includes new scene-recognition circuitry to make the difference between black, white, and contrasting colors stand out dramatically and bring your content to life.

• *Effortless Workflow, Improved Expandability*

REQ12 Series responds to complex productions with expanded functions, interfaces, and options that streamline workflow. New lens lineup improves native contrast, adds powered peripheral focus[5], and expands lens-shift range. Intel® SDM-specified slot integrates proprietary or third-party[6] function boards to adapt and scale connectivity. You can import custom test patterns[7], use NFC function[8] to prep for network connection without AC power, and save time with preactivated upgrade kits for Geo Pro[9] software.

• *New Cabinet Design for Maintenance-Free Operation*

REQ12 Series is the first 1-Chip DLP™ projector to feature an hermetically sealed optical block with all-liquid cooling, enabling 20,000 hours[10] of maintenance-free projection. To prevent interruptions, Backup Input[11] switches to a secondary signal without screen-blanking if the primary is disrupted, while Multi Laser Drive Engine prevents brightness loss in the unlikely event of diode failure.

Specifications (Tentative)

Model		PT-REQ12	PT-REQ10	PT-REQ80
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		4K (3840 x 2400 pixels) (Quad Pixel Drive: ON)		
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)		
	DisplayPort™	DisplayPort™ x 1 (Deep Color, compatible with HDCP 2.3, 4K/60p signal input)		
	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[4]		
Power supply		AC 100–240 V, 50/60 Hz		
Power consumption[5]	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 $5/8''$ x 8 $11/32''$ x 21 $3/16''$) (with feet at shortest position, not including protruding parts)		
Weight[6]		28.8 kg (63.49 lbs) with supplied lens (TBD)		
Operating environment		Operating temperature: 0–45 °C (32–113 °F)[7], operating humidity: 10–80 % (no condensation)		
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Projector Network Setup Software, Real-Time Tracking Projection-Mapping System, 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 °C (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 Optional AJ-WM50 Series Wireless Module is not compatible with IPv6. 5 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2020 international standards. On-mode power consumption measured at 25 °C (77 °F) operating temperature at an altitude of 700 m (2,297 ft). 6 Average value. May differ depending on the actual unit. 7 When optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F). The operating environment temperature should be between 0 °C (32 °F) and 40 °C (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)[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 °C (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.

• Real-Time Tracking Projection-Mapping System
ET-SWR10
Note: Availability may vary by country or region. Visit https://panasonic.net/cns/projector/products/swr10 for more information.

• Early Warning Software
ET-SWA100 Series
Note: Part number suffix may differ depending on the license type.

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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.

PT-REQ12PRE1 Printed in Japan.