Panasonic
BUSINESS

PT-**RDQ10** Series
1-Chip DLP™ Projectors

AVAILABLE FROM OCTOBER 2021

1-Chip DLP™ 4K Projectors Create Captivating and Immersive Entertainment Experiences

Black Models

White Models

PT-RDQ10 Series			
	PT-RDQ10	PT-RDQ90	PT-RDQ80
Light Output	10,000 lm*¹	9,000 lm*¹	8,000 lm*¹
Resolution	4K (3840 x 2160 pixels)*²		
Aspect Ratio	16:9		

• *Captivating 4K Images and Vibrant Colors Deepen Immersion*

PT-RDQ10 Series harnesses original 1-axis pixel-shifting technology, Smooth Pixel Drive, and 0.66˝ DMD to produce crisp, smooth, and richly detailed 4K (3840 x 2160, 16:9) images. Rich Color Enhancer boosts vibrant red expression while improved black-border adjustment enhances uniformity for seamless edge-blends on curved screens.

• *Flexibility and Expandability Simplify Integration*

Compatibility with ET-DLE020 Ultra-Short-Throw Zoom Lens enhances application flexibility. Optional SLOT NX interface boards, such as 12G-SDI and DisplayPort™, streamline integration while preactivated Geometry Manager Pro*³ upgrade kits and Remote Preview Lite*⁴ simplify adjustment.

• *Reliable Low-Maintenance Operation in an All-New Compact Body*

Despite its expanded features, PT-RDQ10 Series retains the same compact dimensions as our 1-Chip DLP™ models in an all-new cabinet. Liquid-cooling system inherited from our 3-Chip DLP™ models supports hermetic optical-block sealing, achieving up to 20,000-hour*⁵ maintenance-free operation, while laser failover circuitry and Backup Input insure against interruptions.

*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. When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. *2 With Smooth Pixel Drive. *3 Register your projector at PASS to download free Geometry Manager Pro software for Windows® PC. Mac OS not supported. *4 Requires Multi Monitoring & Control Software for Windows Ver. 3.0 or later. *5 Around this time, light output will have decreased by approximately 50 % ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [3], temperature 35 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of particulate matter). Estimated time until light output declines to 50 % varies depending on environment.

Specifications (Tentative)

Model		PT-RDQ10	PT-RDQ90	PT-RDQ80
Projector type		1-Chip DLP™ projector		
DLP™ chip	Panel size	16.8 mm (0.66 in) diagonal (16:9 aspect ratio)		
	Display method	DLP™ chip x 1, DLP™ projection system		
	Number of pixels	2716 x 1528 pixels (Images cannot be displayed at this resolution)		
Light source		Laser diodes		
Light output *1 *2		10,000 lm	9,000 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 2160 pixels) (With Smooth Pixel Drive)		
Contrast ratio*1		10,000:1 (Full On/Full Off) (When [PICTURE MODE] is set to [DYNAMIC] and [DYNAMIC CONTRAST] is set to [3]. HDMI signal input)		
Screen size (diagonal)		1.52–15.24 m (60–600 in) with ET-DLE060/ET-DLE088/ET-DLE158/ET-DLE178*4/ET-DLE258, 2.54–10.16 m (100–400 in) with ET-DLE020, 16:9 aspect ratio		
Center-to-corner zone ratio*1		90 %		
Lens		Powered zoom (throw ratio 1.60–2.58:1), powered focus (for supplied lens; optional lenses also available)		
Lens shift (From the origin point of the lens mounter)	Vertical	±60 % with ET-DLE088/ET-DLE158/ET-DLE178*4/ET-DLE258 (±49 % with ET-DLE060, +59 %, -40 % with ET-DLE020) (powered)		
	Horizontal	±25 % with ET-DLE088/ET-DLE158/ET-DLE178*4/ET-DLE258 (±19 % with ET-DLE060, ±24 % with ET-DLE020) (powered)		
Keystone correction range		TBD		
Installation		Ceiling/floor, front/rear, free 360-degree installation		
Terminals	HDMI IN	HDMI 19-pin x 2 (Compatible with HDCP 2.3, Deep Color, 4K/60p signal input)		
	MULTI PROJECTOR SYNC IN	BNC x 1		
	MULTI PROJECTOR 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)		
	DIGITAL LINK/LAN	RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBaseT™ compliant), 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net, HDCP 2.3, Deep Color, 4K/60p signal input)		
	LAN	RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PJLink™ [Class 2], Art-Net)		
	USB	USB Connector (Type A) x 1 for Cloning/Wireless Module (Output 5 V/500 mA)		
	DC OUT	USB Connector (Type A) x 1 (Output 5 V/2 A)		
	Expansion Slot	Open slot for SLOT NX compatible interface board		
Power supply		AC 100–240 V, 50/60 Hz		
Power consumption		TBD	TBD	TBD
Cabinet materials		Molded plastic		
Operation noise*1		39 dB (NORMAL/ECO) [TBD] / 35 dB (QUIET) [TBD]	37 dB (NORMAL/ECO) [TBD] / 33 dB (QUIET) [TBD]	35 dB (NORMAL/ECO) [TBD] / 31 dB (QUIET) [TBD]
Dimensions (W x H x D)*5		498 x 200 x 538 mm (19 19/32″ x 7 7/8″ x 21 3/16″) excluding lens [TBD]		
Weight*6		Less than 25 kg (55.1 lbs) excluding lens [TBD]		
Operating environment		Operating temperature: 0–45 °C (32–113 °F)*7*8, operating humidity: 10–80 % (no condensation)		
Applicable software		Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro, 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 When [PICTURE MODE] is set to [DYNAMIC] and [LIGHT POWER] is set to [NORMAL]. *3 Around this time, light output will have decreased to approximately 50 % of its original level ([PICTURE MODE]: [DYNAMIC], [DYNAMIC CONTRAST] set to [3], temperature 35 °C (86 °F), elevation 700 m (2,297 ft) with 0.15 mg/m³ of particulate matter). Estimated time until light output declines to 50 % varies depending on environment. *4 ET-DLE178 is equivalent of supplied lens. Availability of ET-DLE178 varies depending on country. *5 With legs fully retracted, excluding lens and protruding parts. *6 Average value. May differ depending on the actual unit. *7 When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 30 °C (86 °F) or higher, the light output may be reduced to protect the projector. When using the projector at an altitude between 2,700 m (8,858 ft) and 4,200 m (13,780 ft), and the operating environment temperature becomes 25 °C (77 °F) or higher, the light output may be reduced to protect the projector. *8 When optional AJ-WM50 Series wireless module is attached, operating temperature range becomes 0–40 °C (32–104 °F).

Optional Accessories

- **Zoom Lens**
ET-DLE020 (0.277–0.296:1) / ET-DLE060 (0.594–0.793:1) / ET-DLE088 (0.782–1.10:1) / ET-DLE158 (1.08–1.62:1) / ET-DLE178* (1.60–2.58:1) / ET-DLE258 (2.55–3.82:1)
*ET-DLE178 is equivalent of supplied lens. Availability of ET-DLE178 varies depending on country.
Note: ET-DLE158 and ET-DLE258 will be available from January 2022.

- **Ceiling Mount Bracket**
ET-PKD130H* (with 6-axis adjustment for high ceilings)
ET-PKD120H* (for high ceilings)
ET-PKD120S* (for low ceilings)
* ET-PKD130H/PKD120H/PKD120S used in combination with ET-PKD130B (sold separately).

- **Attachment for Ceiling Mount Bracket**
ET-PKD130B

- **Interface Boards**
Interface Board for 12G-SDI (Input x 2, Input/Output x 2)
ET-MDN12G10

Interface Board for 12G-SDI Optical (Input x 1, Input/Output x 1)
ET-MDNFB10

Interface Board for HDMI® (Input x 2)
ET-MDNHM10

Interface Board for DVI-D (Input x 2)
ET-MDNDV10

Interface Board for DisplayPort™ (Input x 2)
ET-MDNDP10

- **DIGITAL LINK Switcher**
ET-YFB200G*
* Not compatible with 4K signals.

- **Digital Interface Box**
ET-YFB100G*
* Not compatible with 4K signals.

- **Wireless Module**
AJ-WM50 Series*
* The suffix at the end of the model number is omitted. Operating temperature: 0–40 °C (32–104 °F). Product availability may vary by country or region.

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

- **NFC Upgrade Kit**
ET-NUK10*
* Product availability may vary by country or region.

- **Wireless Presentation System PressIT**
TY-WPS1 (basic set)
Visit panasonic.net/cns/prodisplays/pressit for more information.

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Projector Global Website – https://panasonic.net/cns/projector/
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YouTube – www.youtube.com/user/PanasonicProjector

All information included here is valid as of June 2021.

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