Panasonic Projector

Feature Comparison Chart

			Large Venue												
			PT-RQ50K	PT-RQ35K	PT-RZ34K	PT-RQ32K	PT-RZ31K	PT-RS30K	PT-RQ25K	PT-RZ24K	PT-RQ18K	PT-RZ17K	PT-RQ22K	PT-RZ21K	PT-RS20K
Basic	1	Light Output (lm)	50,000	30,500	30,500	26,000	30,000	30,000	20,000	20,000	16,000	16,000	20,000	20,000	20,000
	2	Device	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP	3DLP
	3	Resolution	4K Native	4K	WUXGA	4K+	WUXGA	SXGA+	4K	WUXGA	4K	WUXGA	4K+	WUXGA	SXGA+
	4	Pixels	4098 x 2160	3840 x 2400	1920 x 1200	5120 x 3200	1920 x 1200	1400 x 1050	3840 x 2400	1920 x 1200	3840 x 2400	1920 x 1200	5120 x 3200	1920 x 1200	1400 x 1050
	5	Screen Aspect	17:9	16:10	16:10	16:10	16:10	4:3	16:10	16:10	16:10	16:10	16:10	16:10	4:3
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	Quad	–	Quad	–	–	Quad	–	Quad	–	Quad	–	–
	7	Real Motion Processor	–	–	–	✔	✔	✔	–	–	–	–	✔	✔	✔
	8	Refresh Rate	120 Hz	120 Hz	120 Hz	240 Hz	120 Hz	120 Hz	120 Hz	120 Hz	120 Hz	120 Hz	240 Hz	120 Hz	120 Hz
	9	Dynamic Contrast	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	10	Laser Light Shutter	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	11	Dynamic Iris	–	–	–	–	–	–	–	–	–	–	–	–	–
	12	Detail Clarity Processor 5+	✔	✔	–	✔	–	–	✔	–	✔	–	✔	–	–
	13	Detail Clarity Processor 5	–	–	✔	–	✔	✔	–	✔	–	✔	–	✔	✔
	14	Detail Clarity Processor 4	–	–	–	–	–	–	–	–	–	–	–	–	–
	15	Detail Clarity Processor 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	–	–	–	–	–	–	–	–	–	–	–	–	–
	19	Daylight View Light	–	–	–	–	–	–	–	–	–	–	–	–	–
	20	Supports 4K Input Signals	✔	✔	✔	✔	–	–	✔	✔	✔	✔	✔	–	–
	21	BT.2020 Emulation and HDR	✔ BT.2100	✔ BT.2100	✔ BT.2100	✔	✔	✔	✔ BT.2100	✔ BT.2100	✔ BT.2100	✔ BT.2100	✔	✔ BT.2100	✔ BT.2100
	22	Auto Gamma and Color-Space Select	✔	✔	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔
	23	Rec. 709 Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	24	DICOM Simulation Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	25	Waveform Monitor Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	26	Active 3D Projection	–	–	✔	–	✔	✔	–	✔	–	✔	–	✔	✔
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	✔	✔*1	✔*1	–	✔	✔	–	✔	–	✔	–	✔	✔
IInstallation Flexibility	29	Fade In/Fade Out Function	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser
	30	Mechanical Shutter	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	31	Lens Shift Motor Driven	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	32	Lens Shift Manual	–	–	–	–	–	–	–	–	–	–	–	–	–
	33	Lens	OP	OP	OP	OP	OP	OP	OP	OP	OP	OP	OP	OP	OP
	34	Ultra Short Throw Lens Capability	–	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	35	Fish-eye Lens Capability	–	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	36	Active Focus Optimizer (AFO)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	37	Free 360-degree Installation / 2-axis 360° Front and Side Installation	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	38	Built-in Geometric Adjustment	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	39	Preactivated Upgrade Kits for Geometry Manager Pro	✔	✔	✔	–	–	–	✔	✔	✔	✔	–	–	–
	40	Geometry Manager Pro Software with Optional Upgrade Kits	✔	✔	✔	✔	✔	✔	–	–	–	–	✔	✔	✔
	41	Free Grid Function via Remote Control	✔	✔	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔
	42	Screen Adjustment for Specially Shaped Screens	–	–	–	–	–	–	–	–	–	–	–	–	–
	43	Curved Screen Correction	–	–	–	–	–	–	–	–	–	–	–	–	–
	44	Corner Keystone & Keystone	–	–	–	–	–	–	–	–	–	–	–	–	–
	45	6-Point Screen Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	46	Digital Zoom Extender	–	–	–	–	–	–	–	–	–	–	–	–	–
	47	Multi-screen Support System	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	48	Multi-Unit Brightness and Color Control	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	49	Lens-Centered Design	–	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	50	Electric Covergence Adjustment	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	51	Frame-Delay Adjustment for Multi-Projection	✔	✔	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔
	52	Quick Start & Quick Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	53	Direct Power Off	–	–	–	–	–	–	–	–	–	–	–	–	–
	54	Data-cloning function	✔	✔	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔
	55	Expantion SLOT(SLOT NX)	✔(SLOT NX x 2)	✔(SLOT NX x 2)	✔(SLOT NX x 2)	✔(SLOT NX x 2)	✔(SLOT NX x 2)	✔(SLOT NX x 2)	✔(SDM x 1)	✔(SDM x 1)	✔(SDM x 1)	✔(SDM x 1)	✔(2)	–	–
	56	SDI Terminal	✔	✔*2	✔	✔	✔	✔	✔*7	✔*7	✔*7	✔*7	✔	✔	✔
	57	HDMI Terminal	✔*3	✔	✔	✔*3	✔	✔	✔	✔	✔	✔	✔*3	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	–	–	–	–	–	–	–	–	–	–	–	–	–
	59	DIGITAL LINK	✔(4K)	✔(4K)	✔	✔(4K)	✔	✔	✔*8(4K)	✔*8	✔*8(4K)	✔*8	✔(4K)	✔	✔
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔		✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	61	Art-Net DMX	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	62	PJLink™ Compatible	CLASS2	CLASS2	CLASS2	CLASS1	CLASS1	CLASS1	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	SOLID SHINE (R/B)	SOLID SHINE (R/B)	SOLID SHINE (R/B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (R/B)	SOLID SHINE (R/B)	SOLID SHINE (R/B)	SOLID SHINE (R/B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	Class 1	Class 1	Class 1	Class 3R	Class 3R	Class 3R	Class 1	Class 1	Class 1	Class 1	Class 3R	Class 3R	Class 3R
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	66	Risk Group (IEC 62471-5:2015)	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3
	67	24/7 Continuous Operation	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	68	Multi-Laser Drive Engine	✔ (Dual)	✔	✔	✔ (Dual)	✔ (Dual)	✔ (Dual)	✔	✔	✔	✔	✔ (Dual)	✔ (Dual)	✔ (Dual)
	69	Filterless Design	✔	✔	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔
	70	Hermetically Shielded Optics (DMD)	✔	✔	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔
	71	Liquid Cooling System	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	72	Operating Temperature (50℃)	–	–	–	–	✔	✔	–	–	–	–	–	✔	✔
	73	Operating Temperature (45℃)	✔	✔	✔	✔	–	–	✔	✔	✔	✔	✔		
	74	Information Monitor	✔	✔	✔	–	–	–	✔	✔	✔	✔	–	–	–
	75	Backup Input	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search	–	–	–	–	–	–	–	–	–	–	–	–	–
	79	Built-in Speaker	–	–	–	–	–	–	–	–	–	–	–	–	–
	80	Audio Standby Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	81	Built-in Closed Caption Decorder	–	–	–	–	–	–	–	–	–	–	–	–	–
	82	Web Control (Wired)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	83	Wireless Built-in (Web Control)	–	–	–	–	–	–	–	–	–	–	–	–	–
	84	Wireless Manager	–	–	–	–	–	–	–	–	–	–	–	–	–
	85	Wireless Optional	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	–	–	–	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	–	–	–
	86	Presenter Light	–	–	–	–	–	–	–	–	–	–	–	–	–
	87	Wireless Projector	–	–	–	–	–	–	–	–	–	–	–	–	–
	88	Plug and Share	–	–	–	–	–	–	–	–	–	–	–	–	–
	89	Mirroring	–	–	–	–	–	–	–	–	–	–	–	–	–
	90	Easy Wireless Stick	–	–	–	–	–	–	–	–	–	–	–	–	–
	91	Black Board Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	92	White Board Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	93	Color board Modes	–	–	–	–	–	–	–	–	–	–	–	–	–
	94	USB-DC Outlet Terminal	✔	✔	✔	✔ (900mA)	✔ (900mA)	✔ (900mA)	✔	✔	✔	✔	✔	✔	✔
	95	USB Memory Viewer	–	–	–	–	–	–	–	–	–	–	–	–	–
	96	USB Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	97	Scheduling Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	98	ECO Management System	–	–	–	–	–	–	–	–	–	–	–	–	–
	99	Emulation Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	100	Power Management Reduces Downtime	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	101	Presentation Support Function (P-Timer/Freeze)	–	–	–	–	–	–	–	–	–	–	–	–	–
	102	Startup Logo Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	–	✔	–	✔	✔	–	–	–	–	–	✔	✔
Softaware	105	Multi Monitoring & Control Software	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	106	Early Warning Software ET-SWA100 Series	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	107	Remote Preview	✔	✔	✔	–	–	–	✔	✔	✔	✔	–	–	–
	108	Smart Projector Control with NFC	✔	✔	✔	–	–	–	✔	✔	✔	✔	–	–	–
	109	Smart Projector Control without NFC	✔	✔	✔	✔*5	✔*5	✔*5	–	–	–	–	✔	✔	✔
	110	Smart Projector Auto Focus without NFC*6	✔	✔	✔	✔*5	✔*5	✔*5	✔	✔	✔	✔	✔	✔	✔
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	✔	–	–	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/
*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.
*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)

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Panasonic Projector

Feature Comparison Chart

			Large Venue				Installation								
			PT-RZ16K	PT-RQ13K	PT-RZ12K	PT-RS11K	PT-RCQ10	PT-RCQ80	PT-RZ120	PT-RZ990	PT-RZ890	PT-RZ790	PT-RZ690	PT-FRQ60	PT-FRQ50
Basic	1	Light Output (lm)	16,000	10,000	12,000	12,000	10,000	8,000	12,000	9,400	8,500	7,000	6,000	6,000	5,200
	2	Device	3DLP	3DLP	3DLP	3DLP	1DLP	1DLP	1DLP	1DLP	1DLP	1DLP	1DLP	1DLP	1DLP
	3	Resolution	WUXGA	4K+	WUXGA	SXGA+	–	–	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	4K	4K
	4	Pixels	1920 x 1200	5120 x 3200	1920 x 1200	1400 x 1050	2715 x 1697	2715 x 1697	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	3840 x 2160	3840 x 2160
	5	Screen Aspect	16:10	16:10	16:10	4:3	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:9	16:9
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	Quad	–	–	Smooth	Smooth	–	–	–	–	–	Quad	Quad
	7	Real Motion Processor	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	120 Hz	240 Hz	120 Hz	120 Hz	–	–	–	–	–	–	–	240 Hz	240 Hz
	9	Dynamic Contrast	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	10	Laser Light Shutter	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	11	Dynamic Iris	–	–	–	–	–	–	–	–	–	–	–	–	–
	12	Detail Clarity Processor 5+	–	✔	–	–	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	✔	–	✔	✔	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	–	–	–	–	–	–	–	–	–	–	–	✔	✔
	15	Detail Clarity Processor 3	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	16	System Daylight View 3	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	✔	✔
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	–	–	–	–	–	–	–	–	–	–	–	–	–
	19	Daylight View Light	–	–	–	–	–	–	–	–	–	–	–	–	–
	20	Supports 4K Input Signals	–	✔	–	–	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P
	21	BT.2020 Emulation and HDR	✔	–	–	–	–	–	–	–	–	–	–	✔	✔
	22	Auto Gamma and Color-Space Select	✔	–	–	–	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	24	DICOM Simulation Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	25	Waveform Monitor Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	26	Active 3D Projection	✔	–	✔	✔	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	✔	–	✔	✔	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser
	30	Mechanical Shutter	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	31	Lens Shift Motor Driven	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	32	Lens Shift Manual	–	–	–	–	–	–	–					✔	✔
	33	Lens	OP	OP	OP	OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	x2.0	x2.0
	34	Ultra Short Throw Lens Capability	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	35	Fish-eye Lens Capability	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	✔	–	–	–	–	–	–	–	–	–	–	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	38	Built-in Geometric Adjustment	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	39	Preactivated Upgrade Kits for Geometry Manager Pro	–	–	–	–	–	–	–	–	–	–	–	–	–
	40	Geometry Manager Pro Software with Optional Upgrade Kits	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	41	Free Grid Function via Remote Control	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	42	Screen Adjustment for Specially Shaped Screens	–	–	–	–	–	–	–	–	–	–	–	✔	✔
	43	Curved Screen Correction	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	44	Corner Keystone & Keystone	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	45	6-Point Screen Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	46	Digital Zoom Extender	–	–	–	–	–	–	–	–	–	–	–	–	–
	47	Multi-screen Support System	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	48	Multi-Unit Brightness and Color Control	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	49	Lens-Centered Design	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	50	Electric Covergence Adjustment	✔	–	–	–	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	✔	–	–	–	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	53	Direct Power Off	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	✔	–	–	–	✔	✔	✔	–	–	–	–	✔	✔
	55	Expantion SLOT(SLOT NX)	–	✔(2)	–	–	✔(1)	✔(1)	–	–	–	–	–	–	–
	56	SDI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	–	–	–	–	–	–	–	–	–	–	–	✔	✔
	59	DIGITAL LINK	✔	✔(4K)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔(4K)	✔(4K)
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	✔	✔□	✔	✔	✔	✔	✔	✔	✔	✔
	61	Art-Net DMX	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	62	PJLink™ Compatible	CLASS2	CLASS1	CLASS1	CLASS1	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	66	Risk Group (IEC 62471-5:2015)	Risk Group 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 3	Risk Group 2	Risk Group 2
	67	24/7 Continuous Operation	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	68	Multi-Laser Drive Engine	✔ (Dual)	✔ (Dual)	✔ (Dual)	✔ (Dual)	✔	✔	✔	✔ (Dual)	✔ (Dual)	✔ (Dual)	✔ (Dual)	✔	✔
	69	Filterless Design	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	70	Hermetically Shielded Optics (DMD)	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	71	Liquid Cooling System	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	✔	–	✔	✔	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	–	✔	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	74	Information Monitor	–	–	–	–	–	–	–	–	–	–	–	–	–
	75	Backup Input	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
Convenient	76	4-Input Multi Display Function	–	✔	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search	–	–	–	–	–	–	–	–	–	–	–	–	–
	79	Built-in Speaker	–	–	–	–	–	–	–	–	–	–	–	–	–
	80	Audio Standby Mode	–	–	–	–	–	–	–	–	–	–	–	✔	✔
	81	Built-in Closed Caption Decorder	–	–	–	–	–	–	–	–	–	–	–	–	–
	82	Web Control (Wired)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	83	Wireless Built-in (Web Control)	–	–	–	–	✔*4	✔*4	–	–	–	–	–	–	–
	84	Wireless Manager	–	–	–	–	–	–	–	–	–	–	–	–	–
	85	Wireless Optional	–	–	–	–	✔ AJ-WM50	✔ AJ-WM50	–	–	–	–	–	✔ AJ-WM50	✔ AJ-WM50
	86	Presenter Light	–	–	–	–	–	–	–	–	–	–	–	–	–
	87	Wireless Projector	–	–	–	–	–	–	–	–	–	–	–	–	–
	88	Plug and Share	–	–	–	–	–	–	–	–	–	–	–	–	–
	89	Mirroring	–	–	–	–	–	–	–	–	–	–	–	–	–
	90	Easy Wireless Stick	–	–	–	–	–	–	–	–	–	–	–	–	–
	91	Black Board Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	92	White Board Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	93	Color board Modes	–	–	–	–	–	–	–	–	–	–	–	–	–
	94	USB-DC Outlet Terminal	✔	–	–	–	✔ (500mA)	✔ (500mA)	–	–	–	–	–	✔	✔
	95	USB Memory Viewer	–	–	–	–	–	–	–	–	–	–	–	–	–
	96	USB Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	97	Scheduling Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	98	ECO Management System	–	–	–	–	–	–	–	–	–	–	–	✔	✔
	99	Emulation Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	–	–	–	–	–	–	–	–	–	–	–	–	–
	102	Startup Logo Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	✔	–	✔	✔	–	–	–	–	–	–	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	106	Early Warning Software ET-SWA100 Series	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	107	Remote Preview	–	–	–	–	–	–	–	–	–	–	–	✔	✔
	108	Smart Projector Control with NFC	–	–	–	–	✔	✔	–	–	–	–	–	–	–
	109	Smart Projector Control without NFC	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	110	Smart Projector Auto Focus without NFC*6	✔	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–	–	–	✔	✔

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/

*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.

*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)
2022.12

Panasonic Projector

Feature Comparison Chart

			Installation											
			PT-FRZ60	PT-FRZ50	PT-FRZ55	PT-MZ20K	PT-MZ17K	PT-MZ14K	PT-MZ11K	PT-MZ16K	PT-MZ13K	PT-MZ10K	PT-MZ880	PT-MZ780
Basic	1	Light Output (lm)	6,000	5,200	5,000	20,000	16,500	14,000	11,000	16,000	13,000	10,000	8,000	7,000
	2	Device	1DLP	1DLP	1DLP	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	3	Resolution	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA
	4	Pixels	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200
	5	Screen Aspect	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	–	–	–	–	–	–	–	–	–	–	–
	7	Real Motion Processor	–	–	–	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	–	–	–	–	–	–	–	–	–	–	–	–
	9	Dynamic Contrast	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	10	Laser Light Shutter	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	11	Dynamic Iris	–	–	–	–	–	–	–	–	–	–	–	–
	12	Detail Clarity Processor 5+	–	–	–	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	–	–	–	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	15	Detail Clarity Processor 3	✔	✔	✔	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	✔	✔	✔	–	–	–	–	–	–	–	✔	✔
	19	Daylight View Light	–	–	–	–	–	–	–	–	–	–	–	–
	20	Supports 4K Input Signals	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P	✔ 60P
	21	BT.2020 Emulation and HDR	–	–	–	–	–	–	–	–	–	–	–	–
	22	Auto Gamma and Color-Space Select	–	–	✔	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	24	DICOM Simulation Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	25	Waveform Monitor Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	26	Active 3D Projection	–	–	–	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	–	–	–	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser
	30	Mechanical Shutter	–	–	–	–	–	–	–	–	–	–	–	–
	31	Lens Shift Motor Driven	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	32	Lens Shift Manual	✔	✔	–	–	–	–	–	–	–	–	–	–
	33	Lens	x2.0	x2.0	ST	OP	OP	OP	OP	OP	OP	OP	✔ / OP	✔ / OP
	34	Ultra Short Throw Lens Capability	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	35	Fish-eye Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	38	Built-in Geometric Adjustment	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	39	Preactivated Upgrade Kits for Geometry Manager Pro	–	–	–	✔	✔	✔	✔	–	–	–	–	–
	40	Geometry Manager Pro Software with Optional Upgrade Kits	–	–	–	–	–	–	–	✔	✔	✔	–	–
	41	Free Grid Function via Remote Control	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	42	Screen Adjustment for Specially Shaped Screens	✔	✔	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	43	Curved Screen Correction	✔	✔	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	44	Corner Keystone & Keystone	✔	✔	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	45	6-Point Screen Adjustment	–	–	–					–	–	–	–	–
	46	Digital Zoom Extender	–	–	–	–	–	–	–	–	–	–	–	–
	47	Multi-screen Support System	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	48	Multi-Unit Brightness and Color Control	–	–	–	–	–	–	–	–	–	–	–	–
	49	Lens-Centered Design	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	50	Electric Covergence Adjustment	–	–	–	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	–	–	–	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	53	Direct Power Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	–	–	–	✔(USB)	✔(USB)	✔(USB)	✔(USB)	✔	✔	✔	✔	✔
	55	Expantion SLOT(SLOT NX)	–	–	–	–	–	–	–	–	–	–	–	–
	56	SDI Terminal	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	✔	✔	✔	–	–	–	–	–	–	–	✔	✔
	59	DIGITAL LINK	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	61	Art-Net DMX	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	62	PJLink™ Compatible	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	66	Risk Group (IEC 62471-5:2015)	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3	Risk Group 2, 3
	67	24/7 Continuous Operation	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	68	Multi-Laser Drive Engine	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	69	Filterless Design	✔	✔	✔	–	–	–	–	–	–	–	–	–
	70	Hermetically Shielded Optics (DMD)	✔	✔	✔	–	–	–	–	–	–	–	–	–
	71	Liquid Cooling System	–	–	–	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	–	–	–	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	74	Information Monitor	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	75	Backup Input	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search	–	–	–	–	–	–	–	–	–	–	–	–
	79	Built-in Speaker	–	–	–	–	–	–	–	–	–	–	–	–
	80	Audio Standby Mode	✔	✔	✔	–	–	–	–	–	–	–	✔	✔
	81	Built-in Closed Caption Decorder	–	–	–	–	–	–	–	–	–	–	✔	✔
	82	Web Control (Wired)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	83	Wireless Built-in (Web Control)	–	–	–	–	–	–	–	–	–	–	–	–
	84	Wireless Manager	–	–	–	–	–	–	–	–	–	–	–	–
	85	Wireless Optional	–	–	–	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	–	–	–	–	–
	86	Presenter Light	–	–	–	–	–	–	–	–	–	–	–	–
	87	Wireless Projector	–	–	–	–	–	–	–	–	–	–	–	–
	88	Plug and Share	–	–	–	–	–	–	–	–	–	–	–	–
	89	Mirroring	–	–	–	–	–	–	–	–	–	–	–	–
	90	Easy Wireless Stick	–	–	–	–	–	–	–	–	–	–	–	–
	91	Black Board Mode	–	–	–	–	–	–	–	–	–	–	–	–
	92	White Board Mode	–	–	–	–	–	–	–	–	–	–	✔	✔
	93	Color board Modes	–	–	–	–	–	–	–	–	–	–	–	–
	94	USB-DC Outlet Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	95	USB Memory Viewer	–	–	–	–	–	–	–	–	–	–	–	–
	96	USB Display Function	–	–	–	–	–	–	–	–	–	–	–	–
	97	Scheduling Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	98	ECO Management System	✔	✔	✔	–	–	–	–	–	–	–	✔	✔
	99	Emulation Mode	–	–	–	–	–	–	–	–	–	–	✔	✔
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	–	–	–	–	–	–	–	–	–	–	✔	✔
	102	Startup Logo Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	–	–	–	–	–	–	–	–	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	106	Early Warning Software ET-SWA100 Series	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	107	Remote Preview	–	–	–	✔	✔	✔	✔	–	–	–	–	–
	108	Smart Projector Control with NFC	–	–	–	✔	✔	✔	✔	✔	✔	✔	–	–
	109	Smart Projector Control without NFC	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	110	Smart Projector Auto Focus without NFC*6	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/
*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.
*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)

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Panasonic Projector

Feature Comparison Chart

			Installation												
			PT-MZ680	PT-MZ770	PT-MW730	PT-MZ670	PT-MZ570	PT-MW630	PT-MW530	PT-EZ770	PT-EW730	PT-EX800	PT-EZ590	PT-EW650	PT-EX620
Basic	1	Light Output (lm)	6,000	8,000	8,000	6,500	5,500	6,500	5,500	6,500	7,000	7,500	5,400	5,800	6,200
	2	Device	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	3	Resolution	WUXGA	WUXGA	WXGA	WUXGA	WUXGA	WXGA	WXGA	WUXGA	WXGA	XGA	WUXGA	WXGA	XGA
	4	Pixels	1920 x 1200	1920 x 1200	1280 x 800	1920 x 1200	1920 x 1200	1280 x 800	1280 x 800	1920 x 1200	1280 x 800	1024 x 768	1920 x 1200	1280 x 800	1024 x 768
	5	Screen Aspect	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	4:3	16:10	16:10	4:3
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	Real Motion Processor	–	–	–	–	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	–	–	–	–	–	–	–	–	–	–	–	–	–
	9	Dynamic Contrast	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	10	Laser Light Shutter	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	11	Dynamic Iris	–	–	–	–	–	–	–	Iris	Iris	Iris	✔	✔	✔
	12	Detail Clarity Processor 5+	–	–	–	–	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	–	–	–	–	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	15	Detail Clarity Processor 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	19	Daylight View Light	–	–	–	–	–	–	–	–	–	–	–	–	–
	20	Supports 4K Input Signals	✔ 60P	✔ 60P	–	–	–	–	–	–	–	–	–	–	–
	21	BT.2020 Emulation and HDR	–	–	–	–	–	–	–	–	–	–	–	–	–
	22	Auto Gamma and Color-Space Select	–	–	–	–	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	24	DICOM Simulation Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	25	Waveform Monitor Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	26	Active 3D Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	–	–	–	–	–	–
	30	Mechanical Shutter	–	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔
	31	Lens Shift Motor Driven	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	32	Lens Shift Manual	–	–	–	–	–	–	–	–	–	–	–	–	–
	33	Lens	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP	✔ / OP
	34	Ultra Short Throw Lens Capability	✔	–	–	–	–	–	–	–	–	–	–	–	–
	35	Fish-eye Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	–	–	–	–	–	–	–	–	–	–	–	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	38	Built-in Geometric Adjustment	✔	–	–	–	–	–	–	–	–	–	–	–	–
	39	Preactivated Upgrade Kits for Geometry Manager Pro	–	–	–	–	–	–	–	–	–	–	–	–	–
	40	Geometry Manager Pro Software with Optional Upgrade Kits	–	–	–	–	–	–	–	–	–	–	–	–	–
	41	Free Grid Function via Remote Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	42	Screen Adjustment for Specially Shaped Screens	✔	✔	✔	✔	✔	✔	✔	–	–	–	✔	✔	✔
	43	Curved Screen Correction	✔	✔	✔	✔	✔	✔	✔	–	–	–	✔	✔	✔
	44	Corner Keystone & Keystone	✔	✔	✔	✔	✔	✔	✔	Corner	Corner	Corner	Corner	Corner	Corner
	45	6-Point Screen Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	46	Digital Zoom Extender	–	–	–	–	–	–	–	–	–	–	–	–	–
	47	Multi-screen Support System	✔	–	–	–	–	–	–	–	–	–	–	–	–
	48	Multi-Unit Brightness and Color Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	49	Lens-Centered Design	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	50	Electric Covergence Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	53	Direct Power Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	55	Expantion SLOT(SLOT NX)	–	–	–	–	–	–	–	–	–	–	–	–	–
	56	SDI Terminal	–	–	–	–	–	–	–	–	–	–	–	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	✔	–	–	–	–	–	–	–	–	–	–	–	–
	59	DIGITAL LINK	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	61	Art-Net DMX	✔	–	–	–	–	–	–						
	62	PJLink™ Compatible	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	CLASS2	✔	✔	✔	✔	✔	✔
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	–	–	–	–	–	–
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	–	–	–	–	–	–
	66	Risk Group (IEC 62471-5:2015)	Risk Group 2, 3	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	–	–	–	–	–	–
	67	24/7 Continuous Operation	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	68	Multi-Laser Drive Engine	✔	–	–	–	–	–	–	–	–	–	–	–	–
	69	Filterless Design	–	–	–	–	–	–	–	–	–	–	–	–	–
	70	Hermetically Shielded Optics (DMD)	–	–	–	–	–	–	–	–	–	–	–	–	–
	71	Liquid Cooling System	–	–	–	–	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	–	–	–	–	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	74	Information Monitor	–	–	–	–	–	–	–	–	–	–	–	–	–
	75	Backup Input	–	–	–	–	–	–	–	–	–	–	–	–	–
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search	–	–	–	–	–	–	–						
	79	Built-in Speaker	–	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	80	Audio Standby Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	81	Built-in Closed Caption Decorder	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	82	Web Control (Wired)	✔	✔	✔	✔	✔	✔	✔						
	83	Wireless Built-in (Web Control)	–	–	–	–	–	–	–	–	–	–	–	–	–
	84	Wireless Manager	–	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	–	–	–	–	–
	85	Wireless Optional	–	✔□ ET-WM300	✔□ ET-WM300	✔□ ET-WM300	✔□ ET-WM300	✔□ ET-WM300	✔□ ET-WM300	–	–	–	✔ ET-WML100	✔ ET-WML100	✔ ET-WML100
	86	Presenter Light	–	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	–	–	✔*4	✔*4	✔*4
	87	Wireless Projector	–	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	–	–	✔*4	✔*4	✔*4
	88	Plug and Share	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	89	Mirroring	–	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	–	–	–	–	–
	90	Easy Wireless Stick	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	91	Black Board Mode	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	92	White Board Mode	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	93	Color board Modes	–	–	–	–	–	–	–	–	–	–	–	–	–
	94	USB-DC Outlet Terminal	✔	✔	✔	✔	✔	✔	✔	–	–	–	✔ (900mA)	✔ (900mA)	✔ (900mA)
	95	USB Memory Viewer	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	96	USB Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	97	Scheduling Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	98	ECO Management System	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	99	Emulation Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	102	Startup Logo Function	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	–	–	–	–	–	–	✔	✔	✔	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔	✔	✔	✔	✔	✔	✔	✔□	✔□	✔□	✔□	✔□	✔□
	106	Early Warning Software ET-SWA100 Series	✔	✔	✔	✔	✔	✔	✔	✔□	✔□	✔□	✔□	✔□	✔□
	107	Remote Preview	–	–	–	–	–	–	–	–	–	–	–	–	–
	108	Smart Projector Control with NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	109	Smart Projector Control without NFC	✔	–	–	–	–	–	–	–	–	–	–	–	–
	110	Smart Projector Auto Focus without NFC*6	✔	–	–	–	–	–	–	–	–	–	–	–	–
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/

*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.

*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)
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Panasonic Projector

Feature Comparison Chart

			Installation				Portable								
			PT-EX520	PT-FZ570	PT-FW530	PT-FX500	PT-LRZ35	PT-LRW35	PT-VMZ71	PT-VMZ61	PT-VMZ51	PT-VMZ51S	PT-VMZ41	PT-VMW61	PT-VMW51
Basic	1	Light Output (lm)	5,300	4,500	4,500	5,000	3,500	3,500	7,000	6,200	5,200	5,200	4,500	6,200	5,200
	2	Device	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	3	Resolution	XGA	WUXGA	WXGA	XGA	WUXGA	WXGA	WUXGA	WUXGA	WUXGA	WUXGA	WUXGA	WXGA	WXGA
	4	Pixels	1024 x 768	1920 x 1200	1280 x 800	1024 x 768	1920 x 1200	1280 x 800	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1920 x 1200	1280 x 800	1280 x 800
	5	Screen Aspect	4:3	16:10	16:10	4:3	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	Real Motion Processor	–	–	–	–	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	–	–	–	–	–	–	–	–	–	–	–	–	–
	9	Dynamic Contrast	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	10	Laser Light Shutter	–	–	–	–	✔(LED)	✔(LED)	✔	✔	✔	✔	✔	✔	✔
	11	Dynamic Iris	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	12	Detail Clarity Processor 5+	–	–	–	–	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	–	–	–	–	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	–	–	–	–	–	–	–	–	–	–	–	–	–
	15	Detail Clarity Processor 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	–	–	–	–	?	?	–	–	–	–	–	–	–
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	19	Daylight View Light	–	–	–	–	–	–	–	–	–	–	–	–	–
	20	Supports 4K Input Signals	–	–	–	–	?	?	✔ 30P	✔ 30P	✔ 30P	✔ 30P	✔ 30P	✔ 30P	✔ 30P
	21	BT.2020 Emulation and HDR	–	–	–	–	–	–	–	–	–	–	–	–	–
	22	Auto Gamma and Color-Space Select	–	–	–	–	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	24	DICOM Simulation Mode	✔	✔	✔	✔	?	?	–	–	–	–	–	–	–
	25	Waveform Monitor Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	26	Active 3D Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	–	–	–	–	✔ LED	✔ LED	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser
	30	Mechanical Shutter	✔	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	31	Lens Shift Motor Driven	✔	–	–	–	–	–	–	–	–	–	–	–	–
	32	Lens Shift Manual	–	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	33	Lens	✔ / OP	✔ / OP	✔ / OP	✔ / OP	x1.3	x1.3	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6
	34	Ultra Short Throw Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	35	Fish-eye Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	–	–	–	–	–	–	–	–	–	–	–	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	38	Built-in Geometric Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	39	Preactivated Upgrade Kits for Geometry Manager Pro	–	–	–	–	–	–	–	–	–	–	–	–	–
	40	Geometry Manager Pro Software with Optional Upgrade Kits	–	–	–	–	–	–	–	–	–	–	–	–	–
	41	Free Grid Function via Remote Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	42	Screen Adjustment for Specially Shaped Screens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	43	Curved Screen Correction	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	44	Corner Keystone & Keystone	Corner	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	45	6-Point Screen Adjustment	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	46	Digital Zoom Extender	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	47	Multi-screen Support System	–	–	–	–	–	–	–	–	–	–	–	–	–
	48	Multi-Unit Brightness and Color Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	49	Lens-Centered Design	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	50	Electric Covergence Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔	✔
	53	Direct Power Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	–	–	–	–	–	–	–	–	–	–	–	–	–
	55	Expantion SLOT(SLOT NX)	–	–	–	–	–	–	–	–	–	–	–	–	–
	56	SDI Terminal	–	–	–	–	–	–	–	–	–	–	–	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	–	–	–	–	✔	✔	–	–	–	–	–	–	–
	59	DIGITAL LINK	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–	✔	✔
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	61	Art-Net DMX													
	62	PJLink™ Compatible	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	1-lamp	1-lamp	1-lamp	1-lamp	LED	LED	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	–	–	–	–	–	–	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	–	–	–	–	–	–	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1
	66	Risk Group (IEC 62471-5:2015)	–	–	–	–	–	–	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2
	67	24/7 Continuous Operation	–	–	–	–	–	–	–	–	–	–	–	–	–
	68	Multi-Laser Drive Engine	–	–	–	–	–	–	–	–	–	–	–	–	–
	69	Filterless Design	–	–	–	–	✔	✔	–	–	–	–	–	–	–
	70	Hermetically Shielded Optics (DMD)	–	–	–	–	✔	✔	–	–	–	–	–	–	–
	71	Liquid Cooling System	–	–	–	–	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	–	–	–	–	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	✔	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	74	Information Monitor	–	–	–	–	–	–	–	–	–	–	–	–	–
	75	Backup Input	–	–	–	–	–	–	–	–	–	–	–	–	–
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search							✔	✔	✔	✔	✔	✔	✔
	79	Built-in Speaker	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	80	Audio Standby Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	81	Built-in Closed Caption Decorder	✔						✔	✔	✔	✔	✔	✔	✔
	82	Web Control (Wired)													
	83	Wireless Built-in (Web Control)	–	–	–	–	–	–	–	–	–	–	–	–	–
	84	Wireless Manager	–	–	–	–	–	–	–	–	–	–	–	–	–
	85	Wireless Optional	✔ ET-WML100	✔ ET-WML100	✔ ET-WML100	✔ ET-WML100	–	–	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50
	86	Presenter Light	✔*4	✔*4	✔*4	✔*4	–	–	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4
	87	Wireless Projector	✔*4	✔*4	✔*4	✔*4	–	–	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4
	88	Plug and Share	–	–	–	–	–	–	–	–	–	–	–	–	–
	89	Mirroring	–	–	–	–	–	–	–	–	–	–	–	–	–
	90	Easy Wireless Stick	–	–	–	–	–	–	–	–	–	–	–	–	–
	91	Black Board Mode	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	92	White Board Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	93	Color board Modes	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	94	USB-DC Outlet Terminal	✔ (900mA)	✔ (900mA)	✔ (900mA)	✔ (900mA)	✔	✔	✔	✔	✔	✔	✔	✔	✔
	95	USB Memory Viewer	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔
	96	USB Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	97	Scheduling Function	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	98	ECO Management System	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	99	Emulation Mode	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	✔	✔	✔	✔	–	–	–	–	–	–	–	–	–
	102	Startup Logo Function	✔	✔	✔	✔	–	–	✔□	✔□	✔□	✔□	✔□	✔□	✔□
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	✔□	–	–	–	–	–	–	–	–	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□
	106	Early Warning Software ET-SWA100 Series	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□
	107	Remote Preview	–	–	–	–	–	–							
	108	Smart Projector Control with NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	109	Smart Projector Control without NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	110	Smart Projector Auto Focus without NFC*6	–	–	–	–	–	–	–	–	–	–	–	–	–
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/
*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.
*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)

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Panasonic Projector

Feature Comparison Chart

			Portable												
			PT-VMZ60	PT-VMZ50	PT-VMZ40	PT-VMW60	PT-VMW50	PT-VZ585N	PT-VZ580	PT-VW545N	PT-VW540	PT-VX615N	PT-VX610	PT-VZ470	PT-VW360
Basic	1	Light Output (lm)	6,000	5,000	4,500	6,000	5,000	5,000	5,000	5,500	5,500	5,500	5,500	4,400	4,000
	2	Device	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	3	Resolution	WUXGA	WUXGA	WUXGA	WXGA	WXGA	WUXGA	WUXGA	WXGA	WXGA	XGA	XGA	WUXGA	XGA
	4	Pixels	1920 x 1200	1920 x 1200	1920 x 1200	1280 x 800	1280 x 800	1920 x 1200	1920 x 1200	1280 x 800	1280 x 800	1024 x 768	1024 x 768	1920 x 1200	1024 x 768
	5	Screen Aspect	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	16:10	4:3	4:3	16:10	4:3
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	Real Motion Processor	–	–	–	–	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	–	–	–	–	–	–	–	–	–	–	–	–	–
	9	Dynamic Contrast	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–
	10	Laser Light Shutter	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–
	11	Dynamic Iris	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔
	12	Detail Clarity Processor 5+	–	–	–	–	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	–	–	–	–	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	–	–	–	–	–	–	–	–	–	–	–	–	–
	15	Detail Clarity Processor 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	19	Daylight View Light	–					–	–	–	–	–	–	–	–
	20	Supports 4K Input Signals	✔ 30P	✔ 30P	✔ 30P	✔ 30P	✔ 30P	–	–	–	–	–	–	–	–
	21	BT.2020 Emulation and HDR	–	–	–	–	–	–	–	–	–	–	–	–	–
	22	Auto Gamma and Color-Space Select	–	–	–	–	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	24	DICOM Simulation Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	25	Waveform Monitor Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	26	Active 3D Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	✔ Laser	✔ Laser	✔ Laser	✔ Laser	✔ Laser	–	–	–	–	–	–	–	–
	30	Mechanical Shutter	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–
	31	Lens Shift Motor Driven	–	–	–	–	–	–	–	–	–	–	–	–	–
	32	Lens Shift Manual	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–
	33	Lens	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6	x1.6
	34	Ultra Short Throw Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	35	Fish-eye Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	–	–	–	–	–	–	–	–	–	–	–	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–
	38	Built-in Geometric Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	39	Preactivated Upgrade Kits for Geometry Manager Pro	–												
	40	Geometry Manager Pro Software with Optional Upgrade Kits	–	–	–	–	–	–	–	–	–	–	–	–	–
	41	Free Grid Function via Remote Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	42	Screen Adjustment for Specially Shaped Screens	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–
	43	Curved Screen Correction	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–
	44	Corner Keystone & Keystone	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–
	45	6-Point Screen Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	46	Digital Zoom Extender	–	–	–	–	–	–	–	–	–	–	–	–	–
	47	Multi-screen Support System	–	–	–	–	–	–	–	–	–	–	–	–	–
	48	Multi-Unit Brightness and Color Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	49	Lens-Centered Design	–	–	–	–	–	–	–	–	–	–	–	–	–
	50	Electric Covergence Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–
	53	Direct Power Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	–	–	–	–	–	–	–	–	–	–	–	–	–
	55	Expantion SLOT(SLOT NX)	–	–	–	–	–	–	–	–	–	–	–	–	–
	56	SDI Terminal	–	–	–	–	–	–	–	–	–	–	–	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	–	–	–	–	–	–	–	–	–	–	–	–	–
	59	DIGITAL LINK	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–	–
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	61	Art-Net DMX													
	62	PJLink™ Compatible	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	–	–	–	–	–	–	–	–
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	Class 1	Class 1	Class 1	Class 1	Class 1	–	–	–	–	–	–	–	–
	66	Risk Group (IEC 62471-5:2015)	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	–	–	–	–	–	–	–	–
	67	24/7 Continuous Operation	–	–	–	–	–	–	–	–	–	–	–	–	–
	68	Multi-Laser Drive Engine	–	–	–	–	–	–	–	–	–	–	–	–	–
	69	Filterless Design	–	–	–	–	–	–	–	–	–	–	–	–	–
	70	Hermetically Shielded Optics (DMD)	–	–	–	–	–	–	–	–	–	–	–	–	–
	71	Liquid Cooling System	–	–	–	–	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	–	–	–	–	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	–
	74	Information Monitor	–	–	–	–	–	–	–	–	–	–	–	–	–
	75	Backup Input	–	–	–	–	–	–	–	–	–	–	–	–	–
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	79	Built-in Speaker	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	80	Audio Standby Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	81	Built-in Closed Caption Decorder	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	82	Web Control (Wired)													
	83	Wireless Built-in (Web Control)	–	–	–	–	–	✔	–	✔	–	✔	–	–	–
	84	Wireless Manager	–	–	–	–	–	–	–	✔	–	✔	–	–	–
	85	Wireless Optional	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	–	–	–	–	–	–	–	✔ ET-WML100
	86	Presenter Light	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	✔	–	✔	–	–	✔*4
	87	Wireless Projector	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	✔	–	✔	–	–	✔*4
	88	Plug and Share	–	–	–	–	–	✔	–	✔	–	✔	–	–	–
	89	Mirroring	–	–	–	–	–	✔Miracast	–	✔Miracast	–	✔Miracast	–	–	–
	90	Easy Wireless Stick	–	–	–	–	–	✔	–	✔	–	✔	–	–	–
	91	Black Board Mode	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	92	White Board Mode	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	–
	93	Color board Modes	✔	✔	✔	✔	✔	–	–	–	–	–	–	–	✔
	94	USB-DC Outlet Terminal	✔	✔	✔	✔	✔	–	✔	–	✔	–	✔	–	–
	95	USB Memory Viewer	✔	✔	✔	✔	✔	✔	–	✔	–	✔	–	–	✔
	96	USB Display Function	–	–	–	–	–	✔	–	✔	–	✔	–	–	✔
	97	Scheduling Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	98	ECO Management System	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔
	99	Emulation Mode	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	✔
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	–	–	–	–	–	✔	✔	✔	✔	✔	✔	✔	–
	102	Startup Logo Function	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□
	106	Early Warning Software ET-SWA100 Series	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□	✔□
	107	Remote Preview													
	108	Smart Projector Control with NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	109	Smart Projector Control without NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	110	Smart Projector Auto Focus without NFC*6	–	–	–	–	–	–	–	–	–	–	–	–	–
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/

*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.

*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)
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Panasonic Projector

Feature Comparison Chart

			Portable												
			PT-VX430	PT-LMZ460	PT-LMZ420	PT-LMW460	PT-LMW420	PT-LMX460	PT-LMX420	PT-LW376	PT-LW336	PT-LB426	PT-LB386	PT-LB356	PT-LB306
Basic	1	Light Output (lm)	4,500	4,600	4,200	4,600	4,200	4,600	4,200	3,600	3,100	4,100	3,800	3,300	3,100
	2	Device	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	3	Resolution	XGA	WUXGA	WUXGA	WXGA	WXGA	XGA	XGA	WXGA	WXGA	XGA	XGA	XGA	XGA
	4	Pixels	1024 x 768	1920 x 1200	1920 x 1200	1280 x 800	1280 x 800	1024 x 768	1024 x 768	1280 x 800	1280 x 800	1024 x 768	1024 x 768	1024 x 768	1024 x 768
	5	Screen Aspect	4:3	16:10	16:10	16:10	16:10	4:3	4:3	16:10	16:10	4:3	4:3	4:3	4:3
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	–	–	–	–	–	–	–	–	–	–	–	–
	7	Real Motion Processor	–	–	–	–	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	–	–	–	–	–	–	–	–	–	–	–	–	–
	9	Dynamic Contrast	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	10	Laser Light Shutter	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	11	Dynamic Iris	✔	–	–	–	–	–	–	Iris	Iris	Iris	Iris	Iris	Iris
	12	Detail Clarity Processor 5+	–	–	–	–	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	–	–	–	–	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	–	–	–	–	–	–	–	–	–	–	–	–	–
	15	Detail Clarity Processor 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	–	–	–	–	–	–	–	–	–	–	–	–	–
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	19	Daylight View Light	–	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔
	20	Supports 4K Input Signals	–	–	–	–	–	–	–	–	–	–	–	–	–
	21	BT.2020 Emulation and HDR	–	–	–	–	–	–	–	–	–	–	–	–	–
	22	Auto Gamma and Color-Space Select	–	–	–	–	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
	24	DICOM Simulation Mode	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	25	Waveform Monitor Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	26	Active 3D Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	–	–	–	–	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	30	Mechanical Shutter	–	–	–	–	–	–	–	–	–	–	–	–	–
	31	Lens Shift Motor Driven	–	–	–	–	–	–	–	–	–	–	–	–	–
	32	Lens Shift Manual	–	–	–	–	–	–	–	–	–	–	–	–	–
	33	Lens	x1.6	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2	x1.2
	34	Ultra Short Throw Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	35	Fish-eye Lens Capability	–	–	–	–	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	–	–	–	–	–	–	–	–	–	–	–	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	38	Built-in Geometric Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	39	Preactivated Upgrade Kits for Geometry Manager Pro		–	–	–	–	–	–						
	40	Geometry Manager Pro Software with Optional Upgrade Kits	–	–	–	–	–	–	–	–	–	–	–	–	–
	41	Free Grid Function via Remote Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	42	Screen Adjustment for Specially Shaped Screens	–	–	–	–	–	–	–	–	–	✔	✔	✔	✔
	43	Curved Screen Correction	–	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	44	Corner Keystone & Keystone	–	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	45	6-Point Screen Adjustment	–	✔	✔	–	–	–	–	–	–	–	–	–	–
	46	Digital Zoom Extender	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	47	Multi-screen Support System	–	–	–	–	–	–	–	–	–	–	–	–	–
	48	Multi-Unit Brightness and Color Control	–	–	–	–	–	–	–	–	–	–	–	–	–
	49	Lens-Centered Design	–	–	–	–	–	–	–	–	–	–	–	–	–
	50	Electric Covergence Adjustment	–	–	–	–	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	–	–	–	–	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	53	Direct Power Off	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	–	–	–	–	–	–	–	–	–	–	–	–	–
	55	Expantion SLOT(SLOT NX)	–	–	–	–	–	–	–	–	–	–	–	–	–
	56	SDI Terminal	–	–	–	–	–	–	–	–	–	–	–	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	59	DIGITAL LINK	–	–	–	–	–	–	–	–	–	–	–	–	–
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	61	Art-Net DMX		–	–	–	–	–	–			–	–	–	–
	62	PJLink™ Compatible	✔	✔	✔	✔	✔	✔	✔	✔	✔	CLASS2	CLASS2	CLASS2	–
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	1-lamp	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp	1-lamp
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	–	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	Class 3R	–	–	–	–	–	–
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	–	Class 1	Class 1	Class 1	Class 1	Class 1	Class 1	–	–	–	–	–	–
	66	Risk Group (IEC 62471-5:2015)	–	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	Risk Group 2	–	–	–	–	–	–
	67	24/7 Continuous Operation	–	–	–	–	–	–	–	–	–	–	–	–	–
	68	Multi-Laser Drive Engine	–	–	–	–	–	–	–	–	–	–	–	–	–
	69	Filterless Design	–	–	–	–	–	–	–	–	–	–	–	–	–
	70	Hermetically Shielded Optics (DMD)	–	–	–	–	–	–	–	–	–	–	–	–	–
	71	Liquid Cooling System	–	–	–	–	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	–	–	–	–	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	74	Information Monitor	–	–	–	–	–	–	–	–	–	–	–	–	–
	75	Backup Input	–	–	–	–	–	–	–	–	–	–	–	–	–
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	–	–	–	–	–	–	–	–	–	–
	78	Auto Input-Signal Search	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	79	Built-in Speaker	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	80	Audio Standby Mode	✔	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	81	Built-in Closed Caption Decorder	✔	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔
	82	Web Control (Wired)										✔	✔	✔	–
	83	Wireless Built-in (Web Control)	–	–	–	–	–	–	–	–	–	–	–	–	–
	84	Wireless Manager	–	–	–	–	–	–	–	–	–	–	–	–	–
	85	Wireless Optional	✔ ET-WML100	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ ET-WML100	✔ ET-WML100	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	–
	86	Presenter Light	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–
	87	Wireless Projector	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–
	88	Plug and Share	–	–	–	–	–	–	–	–	–	–	–	–	–
	89	Mirroring	–	–	–	–	–	–	–	–	–	–	–	–	–
	90	Easy Wireless Stick	–	–	–	–	–	–	–	–	–	–	–	–	–
	91	Black Board Mode	✔	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔
	92	White Board Mode	–	✔	✔	✔	✔	✔	✔	–	–	–	–	–	–
	93	Color board Modes	✔	–	–	–	–	–	–	✔	✔	✔	✔	✔	✔
	94	USB-DC Outlet Terminal	–	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	–
	95	USB Memory Viewer	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	–
	96	USB Display Function	✔	–	–	–	–	–	–	✔	✔	–	–	–	–
	97	Scheduling Function	–	–	–	–	–	–	–	–	–	–	–	–	–
	98	ECO Management System	✔	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	99	Emulation Mode	✔	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	–	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	102	Startup Logo Function	✔□	✔	✔	✔	✔	✔	✔	–	–	✔	✔	✔	✔
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	–	–	–	–	–	–	–	–	–	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔□	✔	✔	✔	✔	✔	✔	✔□	✔□	✔	✔	✔	–
	106	Early Warning Software ET-SWA100 Series	✔□	✔	✔	✔	✔	✔	✔	✔□	✔□	✔	✔	✔	–
	107	Remote Preview		–	–	–	–	–	–			–	–	–	–
	108	Smart Projector Control with NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	109	Smart Projector Control without NFC	–	–	–	–	–	–	–	–	–	–	–	–	–
	110	Smart Projector Auto Focus without NFC*6	–	–	–	–	–	–	–	–	–	–	–	–	–
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/
*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.
*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)

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Panasonic Projector

Feature Comparison Chart

			Short-Throw							Space Player	
			PT-TMZ400	PT-TMW380	PT-TMX380	PT-TW381R	PT-TW380	PT-TX440	PT-TX350	PT-JX200	PT-JW130
Basic	1	Light Output (lm)	4,000	3,800	3,800	3,300	3,300	3,800	3,200	2,000	1,000
	2	Device	LCD	LCD	LCD	LCD	LCD	LCD	LCD	1DLP	1DLP
	3	Resolution	WUXGA	WXGA	XGA	WXGA	WXGA	XGA	XGA	XGA	WXGA
	4	Pixels	1920 x 1200	1280 x 800	1024 x 768	1280 x 800	1280 x 800	1024 x 768	1024 x 768	1024 x 768	1,039,680
	5	Screen Aspect	16:10	16:10	4:3	16:10	16:10	4:3	4:3	4:3	16:9
Image Quality	6	Quad Pixel Drive / Smooth Pixel Drive	–	–	–	–	–	–	–	–	–
	7	Real Motion Processor	–	–	–	–	–	–	–	–	–
	8	Refresh Rate	–	–	–	–	–	–	–	–	–
	9	Dynamic Contrast	✔	✔	✔	–	–	–	–	–	–
	10	Laser Light Shutter	✔	✔	✔	–	–	–	–	–	–
	11	Dynamic Iris	–	–	–	Iris	Iris	Iris	Iris	–	–
	12	Detail Clarity Processor 5+	–	–	–	–	–	–	–	–	–
	13	Detail Clarity Processor 5	–	–	–	–	–	–	–	–	–
	14	Detail Clarity Processor 4	–	–	–	–	–	–	–	–	–
	15	Detail Clarity Processor 3	–	–	–	–	–	–	–	–	–
	16	System Daylight View 3	–	–	–	–	–	–	–	–	–
	17	System Daylight View 2	–	–	–	–	–	–	–	–	–
	18	Daylight View Basic	✔	✔	✔	–	–	–	–	–	–
	19	Daylight View Light	–	–	–	✔	✔	✔	✔	–	–
	20	Supports 4K Input Signals	–	–	–	–	–	–	–	–	–
	21	BT.2020 Emulation and HDR	–	–	–	–	–	–	–	–	–
	22	Auto Gamma and Color-Space Select	–	–	–	–	–	–	–	–	–
	23	Rec. 709 Mode	–	–	–	–	–	–	–	–	–
	24	DICOM Simulation Mode	✔	✔	✔	–	–	–	–	–	–
	25	Waveform Monitor Function	–	–	–	–	–	–	–	–	–
	26	Active 3D Projection	–	–	–	–	–	–	–	–	–
	27	3D Single Passive	–	–	–	–	–	–	–	–	–
	28	3D Dual Passive	–	–	–	–	–	–	–	–	–
IInstallation Flexibility	29	Fade In/Fade Out Function	–	–	–	–	–	–	–	–	–
	30	Mechanical Shutter	–	–	–	–	–	–	–	–	–
	31	Lens Shift Motor Driven	–	–	–	–	–	–	–	–	–
	32	Lens Shift Manual	–	–	–	–	–	–	–	–	–
	33	Lens	UST	UST	UST	UST	UST	UST	UST	x2.2	x2.2
	34	Ultra Short Throw Lens Capability	–	–	–	–	–	–	–	–	–
	35	Fish-eye Lens Capability	–	–	–	–	–	–	–	–	–
	36	Active Focus Optimizer (AFO)	–	–	–	–	–	–	–	–	–
	37	Free 360-degree Installation / 2-axis 360 ° Front and Side Installation	✔	✔	✔	–	–	–	–	–	–
	38	Built-in Geometric Adjustment	–	–	–	–	–	–	–	–	–
	39	Preactivated Upgrade Kits for Geometry Manager Pro	–	–	–						
	40	Geometry Manager Pro Software with Optional Upgrade Kits	–	–	–	–	–	–	–	–	–
	41	Free Grid Function via Remote Control	–	–	–	–	–	–	–	–	–
	42	Screen Adjustment for Specially Shaped Screens	–	–	–	✔	✔	✔	✔	–	–
	43	Curved Screen Correction	✔	✔	✔	✔	✔	✔	✔	–	–
	44	Corner Keystone & Keystone	✔	✔	✔	✔	✔	✔	✔	Corner	Corner
	45	6-Point Screen Adjustment	✔	–	–	–	–	–	–	–	–
	46	Digital Zoom Extender	✔	✔	✔	–	–	–	–	–	–
	47	Multi-screen Support System	–	–	–	–	–	–	–	–	–
	48	Multi-Unit Brightness and Color Control	–	–	–	–	–	–	–	–	–
	49	Lens-Centered Design	–	–	–	–	–	–	–	–	–
	50	Electric Covergence Adjustment	–	–	–	–	–	–	–	–	–
	51	Frame-Delay Adjustment for Multi-Projection	–	–	–	–	–	–	–	–	–
	52	Quick Start & Quick Off	✔	✔	✔	–	–	–	–	–	–
	53	Direct Power Off	✔	✔	✔	✔	✔	✔	✔	✔	✔
	54	Data-cloning function	–	–	–	–	–	–	–	–	–
	55	Expantion SLOT(SLOT NX)	–	–	–	–	–	–	–		
	56	SDI Terminal	–	–	–	–	–	–	–	–	–
	57	HDMI Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔
	58	CEC Command-Compatible HDMI® Inputs	✔	✔	✔	–	–	–	–	–	–
	59	DIGITAL LINK	–	–	–	–	–	–	–	–	–
	60	Crestron Connected™, AMX DD™, Extron®□ XTP	✔	✔	✔	–	–	–	–	–	–
	61	Art-Net DMX	–	–	–	–	–	–	–	✔	✔
	62	PJLink™ Compatible	✔	✔	✔	CLASS2	CLASS2	CLASS2	CLASS2	CLASS1	CLASS1
Reliability	63	Light Source (SOLID SHINE Laser / LED / Lamp)	SOLID SHINE (B)	SOLID SHINE (B)	SOLID SHINE (B)	1-lamp	1-lamp	1-lamp	1-lamp	SOLID SHINE (B)	SOLID SHINE (B)
	64	Laser Classification Laser Class USA and Canada (IEC 60825-1:2007)	Class 3R	Class 3R	Class 3R	–	–	–	–	Class 3R	Class 3R
	65	Other Countrries or redions (IEC/EN 60825-1:2014)	Class 1	Class 1	Class 1	–	–	–	–	Class 1	Class 1
	66	Risk Group (IEC 62471-5:2015)	Risk Group 2	Risk Group 2	Risk Group 2	–	–	–	–	Risk Group 3	Risk Group 3
	67	24/7 Continuous Operation	–	–	–	–	–	–	–	✔	✔
	68	Multi-Laser Drive Engine	–	–	–	–	–	–	–	–	–
	69	Filterless Design	–	–	–	–	–	–	–	✔	✔
	70	Hermetically Shielded Optics (DMD)	–	–	–	–	–	–	–	✔	✔
	71	Liquid Cooling System	–	–	–	–	–	–	–	–	–
	72	Operating Temperature (50℃)	–	–	–	–	–	–	–	–	–
	73	Operating Temperature (45℃)	✔	✔	✔	–	–	–	–	–	–
	74	Information Monitor	–	–	–	–	–	–	–	–	–
	75	Backup Input	–	–	–	–	–	–	–	–	–
Convenient	76	4-Input Multi Display Function	–	–	–	–	–	–	–	–	–
	77	Interactive	–	–	–	✔	–	–	–	–	–
	78	Auto Input-Signal Search	✔	✔	✔	✔	✔	✔	✔	–	–
	79	Built-in Speaker	✔	✔	✔	✔	✔	✔	✔	–	–
	80	Audio Standby Mode	✔	✔	✔	✔	✔	✔	✔	–	–
	81	Built-in Closed Caption Decorder	–	–	–	✔	✔	✔	✔	–	–
	82	Web Control (Wired)				✔	✔	✔	✔	✔	✔
	83	Wireless Built-in (Web Control)	–	–	–	–	–	–	–	✔	✔
	84	Wireless Manager	–	–	–	–	–	–	–	✔	✔
	85	Wireless Optional	✔ AJ-WM50	✔ AJ-WM50	✔ AJ-WM50	✔ ET-WML100 /AJ-MW50	✔ ET-WML100 /AJ-MW50	✔ ET-WML100 /AJ-MW50	✔ ET-WML100 /AJ-MW50	–	–
	86	Presenter Light	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	–	–
	87	Wireless Projector	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔*4	✔	✔
	88	Plug and Share	–	–	–	–	–	–	–	–	–
	89	Mirroring	–	–	–	–	–	–	–	✔	✔Miracast
	90	Easy Wireless Stick	–	–	–	–	–	–	–	–	–
	91	Black Board Mode	–	–	–	✔	✔	✔	✔	–	–
	92	White Board Mode	✔	✔	✔	–	–	–	–	–	–
	93	Color board Modes	–	–	–	✔	✔	✔	✔	–	–
	94	USB-DC Outlet Terminal	✔	✔	✔	✔	✔	✔	✔	✔	✔ (900mA)
	95	USB Memory Viewer	✔	✔	✔	✔	✔	✔	✔	✔(SD)	✔(SD)
	96	USB Display Function	–	–	–	–	–	–	–	–	–
	97	Scheduling Function	–	–	–	–	–	–	–	✔	✔
	98	ECO Management System	✔	✔	✔	✔	✔	✔	✔	–	–
	99	Emulation Mode	✔	✔	✔	✔	✔	✔	✔	–	–
	100	Power Management Reduces Downtime	–	–	–	–	–	–	–	–	–
	101	Presentation Support Function (P-Timer/Freeze)	✔	✔	✔	✔	✔	✔	✔	–	–
	102	Startup Logo Function	✔	✔	✔	✔	✔	✔	✔	✔	✔
	103	Anti-Theft and Security Measures	✔	✔	✔	✔	✔	✔	✔	✔	✔
	104	Picture-in-Picture Mode	–	–	–	–	–	–	–	–	–
Softaware	105	Multi Monitoring & Control Software	✔	✔	✔	✔	✔	✔	✔	✔	✔
	106	Early Warning Software ET-SWA100 Series	✔	✔	✔	✔	✔	✔	✔	✔	✔
	107	Remote Preview	–	–	–	–	–	–	–	–	–
	108	Smart Projector Control with NFC	–	–	–	–	–	–	–	–	–
	109	Smart Projector Control without NFC	–	–	–	–	–	–	–	–	–
	110	Smart Projector Auto Focus without NFC*6	–	–	–	–	–	–	–	–	–
	111	Real-Time Tracking Projection-Mapping System (ET-SWR10)	–	–	–	–	–	–	–	–	–

*1 Corresponding with special model (built-to order)
*2 Requires optional interface board (ET-MDNFB10)
*3 Requires optional interface board (ET-MDNHM10)
*4 Requires optional wireless module. Please see our website for functions and compatible application software. https://panasonic.net/cns/projector/solution/wireless/
*5 Requires the latest firmware. Register your projector at PASS to update firmware. Visit PASS at https://panasonic.net/cns/projector/pass for more information.
*6 Auto Focus function may not be supported when using some mobile devices.
*7 Requires optional function board (TY-SB01QS)
*8 Requires optional function board (TY-SB01DL)

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