





# Easy to Use Short-Throw Projectors



## Space-Saving, Easy Interactivity (PT-TW341R), Powered by a Long-Lasting Lamp

With its compact, lightweight body, the TW341R Series enables large-screen projection even in limited spaces, making it ideal for small meeting rooms and classrooms.

The PT-TW341R features interactive functions that make lectures and meetings more effective, and give presentations greater impact.

#### Superb Performance

#### Interactive Functions Let You Write on a Projected Image (PT-TW341R Only)

You can write or draw figures on the projected image with the Interactive Pen/Pointer.\*2 The scanning camera frame rate of the PT-TW341R, which is higher compared to our previous products,\*3 ensures smoother writing. In addition, two users can write simultaneously to make classes and presentations more effective. It is also easy to store the words and figures in a computer for information sharing.

#### **Convenient Interactive Features**

#### Auto driver installation

No need to install a special driver from a CD-ROM.\*4

#### Auto calibration

Auto calibration helps to reduce setting time. Manual calibration is also available by touching four points with the Interactive Pen/Pointer.\*2

#### · Functionality improved

The faster frame rate ensures smooth, comfortable writing.

#### A Full 3,500 Im of Brightness\*6 and 10,000:1 Contrast Ratio

A remarkable 3,500 lm\*6 of brightness and 10,000:1 contrast have been achieved in a compact, easy-to-carry body. Bright, clear images enhance the variety of viewing situations and applications.

#### A Maximum 8,000-Hour Lamp Replacement Cycle<sup>\*7</sup>

It enables operation for up to 8,000 hours without needing to be replaced. This also helps reduce maintenance and operating costs.

#### Dual pen support\*5 Selecting the dual pen mode (Half Screen mode/Full Screen mode) allows two

users to write simultaneously, making your classes and presentations more efficient. Half Screen mode





USB cable

Computer cable

#### Quiet 28-dB<sup>\*7</sup> Design Helps to Hold Viewers' Attention

The noise level is as low as 28 dB.\*7 This helps your audience to keep their attention on the discussion or on the screen images during quiet scenes.

#### Daylight View Lite

The Daylight View Lite function can be activated from the remote control for easy and comfortable viewing during presentations and lectures in a bright room.

### Ease of Installation

#### Wide 80-inch Screen Images with a Short Projection Distance of 75 cm\*8

Close range projection reduces not only the shadows of the presenter but also the glare of the projection light, making lectures and meetings more comfortable.

#### Curved Screen Correction\*9

Barrel and pincushion distortion is easily corrected when projecting onto a curved screen.



#### Corner Keystone Correction\*9 Enables Angled Projection

All you need to do is designate four points as the corners of the projected image, and this function easily carries out horizontal and vertical keystone correction.

#### Multiple Unit Monitoring Capability

Multi Projector Monitoring & Control Software is available for monitoring and controlling multiple Panasonic projectors from a single PC.



Two Interactive Pens provided Lightly touch the screen with the pen to write



## Variety of Useful Features

#### Memory Viewer Function\*10

In addition to JPEG/BMP image and text files, PDF files can also be projected by simply inserting a USB memory device containing the data into the USB memory port. Now you can start your presentation without having to connect to a computer.

#### USB Display Function<sup>\*10</sup> for Easy Projection Using a USB Cable

PT-TX210

USB Display outputs images and sounds from the computer without the need to install any software. Simply connect to the USB port with a single USB cable and start your presentation.

#### Equipped with an HDMI Input Terminal and Abundant Interfaces

Supports a wide range of system architectures.

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#### **Other Useful Features**

- Built-in closed caption decoder
- Start up logo
- PJLink™ compatibility ₽Link
- Built-in 10 W<sup>\*11</sup> speaker
- Easy lamp and filter replacement
- · Projector identification system for up to 6 projectors
- Blackboard mode
- Equipped with a security bar for theft prevention

#### Ecology-conscious design

**Eco-friendly** 

- No halogenated flame retardants are used
- in the cabinet.
- Lead-free glass is used for the lens.
- Coating-free cabinet for easy recycling.
- Switchable lamp mode

#### Projection distance

PT-TW341R/TW340/TW250 (16:10 aspect ratio; throw ratio 0.46-0.00:1)						
Diagonal image size	Projection distance (L)	Height from the edge of screen to center of lens (H)				
50" [1.27]	1.57 [0.49]	-0.36 [-0.10]				
60" [1.52]	1.94 [0.59]	-0.43 [-0.12]				
70" [1.78]	2.26 [0.69]	-0.49 [-0.14]				
80" [2.03]	2.62 [0.80]	-0.56 [-0.16]				
90" [2.29]	2.95 [0.90]	-0.62 [-0.18]				
100" [2.54]	3.28 [1.00]	-0.72 [-0.20]				

#### Diagonal image size Projection distance (L) Height from the edge of creen to center of lens (H) 50" [1.27] 1.51 [0.46] -0.13 [-0.04] 60" [1.52] 1.80 [0.55] -0.15 [-0.05] 70" [1.78] 2.13 [0.65] -0.18 [-0.05] 80" [2.03] 2.46 [0.75] -0.20 [-0.06] 90" [2.29] 2.79 [0.85] -0.23 [-0.07]

-0.25 [-0.08]

PT-TX400/TX310/TX210 (4:3 aspect ratio; throw ratio 0.46-0.00:1)

100" [2.54] 3.08 [0.94]

\* Lens performance cannot be guaranteed for projection distance larger than 1.14 m



- - The value for L (distance to screen) varies slightly depending on the zoom lens characteristics.
  - · At the shortest projection distance, the zoom
  - lens characteristics may cause slight image distortion.

I Featured on the PT-TW341R only. •2 Interactive pointer available as an option. •3 PT-TW231R Series.
 •4 Available for Windows\* only. For a Mac OS, driver installation from the CD-ROM is necessary. •5 Available for Windows\* operating system. •6 For the PT-TX400 only. 3,200 Im for the PT-TW341R, PT-TW340 and PT-TX310, and 2,800 Im for the PT-TW250 and PT-TX210. •7 When lamp mode is set to Eco 2. The usage environment affects the lamp replacement cycle. •8 Projection distance of 80 cm for the PT-TW341R/TW340/TW250. •9 Only vertical keystone correction for the PT-TX210. •10 Excluding the PT-TX210. •11 2 W speaker for the PT-TX210.



PT-TW341R	PT- <b>TW340</b>	PT- <b>TW250</b>	PT- <b>TX400</b>	PT- <b>TX310</b>	PT- <b>TX210</b>
WXGA	WXGA	WXGA	XGA	XGA	XGA
3,200 lm	3,200 lm	2,800 lm	3,500 lm	3,200 lm	2,800 lm

noto shows the PT-TW340. The PT-TW340/TW250/TX400/ TX310/TX210 does not have a built-in camera

Note: A built-in camera is featured on the PT-TW341R only.



	tions						
Model		PT-TW341R PT-TW340 PT-TW250 PT-TX400 PT-TX310	PT- <b>TX210</b>				
ower supply		AC100-240 V 50 Hz/60 Hz					
ower consumption	1	300 W (6 W with Standby mode set to Normal, 0.5 W with Standby mode set to Eco*')					
CD panel	Display method	Transparent LCD panel (x 3, R/G/B)					
·	Drive method	Active matrix method					
	Panel size	15.0 mm (0.59 inches) diagonal (16:10 aspect ratio) 16.0 mm (0.63 inches) diagonal (4:3 aspect ratio)					
	Pixels	1.024.000 (1.280 × 800) 786.432 (1.024 × 768)					
ens	T IAGIO	- 1,027,000 (1,027 × 100)					
creen size		1.27–2.54 m (50–100 inches) diagonally, 16:10 aspect ratio					
Resolution		1.27 = 2.54 m (30 - 100 milles) diagonary, 10 to aspect ratio 1.20 × 800 pixels (Input signals that exceed this resolution will be converted to 1.280 × 800 pixels.)	will be converted to 1 024 v 769 piv				
rightness* (Lamp	nowor: Normal)	1,200 × 000 pixels (input signals that exceed this resolution) will be contented to 1,200 × 000 pixels. 1,204 × 100 pixels (input signals that exceed this resolution) will be contented to 1,200 lim 3,200 lim 3,200 lim 3,200 lim 3,200 lim	2,800 lm				
amp	power. Normal)	3,200 mi 2,000 mi 3,000 mi 3,000 mi 3,000 mi	2,800 IIII				
amp	Lamp raplacement quals	200 W A Frainip Normal: 5000 h/Eco1: 6000 h/Eco2: 8000 h*2					
	Lamp replacement cycle	Normar: 5000 //2001: 5000 //2022: 5000 // * 80 %					
enter-to-corner u	niformity-						
ontrast*		10,000:1 (all white/all black) (RGB signal input, Color mode: Dynamic, Lamp power: Normal)					
canning requency	HDMI IN	fr: 15-91 kHz, fv: 24-85 Hz, dot clock: 162 MHz or lower					
oquoticy	RGB	fit: 15–91 kHz, fv: 24–85 Hz, dot clock: 162 MHz or lower					
	YPBPr (YCBCr)	h: 15.73 kHz, h: 59.94 Hz [525] (4800)], b: 15.63 kHz, h: 50 Hz [525] (5760)], f: 31.47 HzL; h: 50.94 Hz [5250 (4800)], f:: 31.25 kHz, h: 50 Hz [5250 (5760)], f:: 45.00 kHz, h: 60 Hz [1525 (1600)], f:: 31.35 kHz, h: 50 Hz [152 (1600)], f:: 57.50 kHz, h: 50 Hz					
	Video/S-Video	fr: 15.73 kHz, fv: 59.94 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fr: 15.63 kHz, fv: 50 Hz [PAL/SECAM/PAL-N]					
leystone	Vertical	±15° (Auto, Manual)					
orrection range	Horizontal	±15° (Manual)	-				
nstallation		Ceiling/floor, front/rear					
Ferminals	HDMI IN	HDMI 19P x 1 HDCP compatible, Deep Color compatible [480], [576i], [480p], [576p], [720/60p], [720/50p], [1080/60i], [1080/50i], [1080/60p], [1080/60p], [1080/24p], [1080/24p					
	COMPUTER 1 IN	D-sub HD 15-pin (female) × 1 [RGB/S-Video/V-Ps(Ce)·Ps(Ce)/Scart RGB]					
	COMPUTER 2 IN/OUT	D-sub HD 15-pin (female) × 1 [RGB/Monitor output] (Input/output switching)	[Monitor output]				
	VIDEO IN	Pin jack × 1					
	AUDIO IN 1	M3 (L,R) × 1					
	AUDIO IN 2	Piniack × 2 (L,R)					
	AUDIO OUT	M3 (L,R) + 1 (variable)					
	LAN		_				
	LAN SERIAL IN	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLink™ (class 1) compatible	_				
	SERIAL IN	RJ-45 (× 1), for network connections, 10Base-T/100Base-TX, PJLink7M (class 1) compatible D-Sub 9P (female) × 1, for external control (RS-232C compatible)					
	SERIAL IN USB-Type A	RJ-45 (× 1), for network connections, 10Base-T/100Base-TX, PJLink™ (class 1) compatible         D-Sub 9P (female) × 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)	— — 1 (Serviceman only)				
	SERIAL IN USB-Type A USB-Type B	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLink <sup>TM</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)	— — 1 (Serviceman only)				
tuit in another	SERIAL IN USB-Type A	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)					
	SERIAL IN USB-Type A USB-Type B	RJ-45 (x 1), for network connections, 10Base-TX, PJLink <sup>TM</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)	1 (Serviceman only)     2 W (monaural)				
)peration noise*	SERIAL IN USB-Type A USB-Type B	RJ-45 (x 1), for network connections, 10Base-TX, PJLink <sup>TM</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Intractive function)            10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB					
peration noise* Cabinet materials	SERIAL IN USB-Type A USB-Type B Mini USB	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)					
Dperation noise* Cabinet materials Dimensions (W × H	SERIAL IN USB-Type A USB-Type B Mini USB	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm					
Dperation noise* Cabinet materials Dimensions (W × H Veight*	SERIAL IN USB-Type A USB-Type B Mini USB	RJ-45 (x 1), for network connections, 10Base-TX, PJLink <sup>TM</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)					
Dperation noise* Cabinet materials Dimensions (W × H Veight*	SERIAL IN USB-Type A USB-Type B Mini USB	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes less than 1,400 m (4,593 ft)]					
Operation noise* Cabinet materials Dimensions (W × H Veight*	SERIAL IN USB-Type A USB-Type B Mini USB	RJ-45 (x 1), for network connections, 10Base-TX, PJLink <sup>TM</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)					
Built-in speaker Operation noise* Zabinet materials Dimensions (W × H Weight* Operating environm Supplied accessori	SERIAL IN           USB-Type A           USB-Type B           Mini USB	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLink <sup>TM</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) × 329 mm         Approx: 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes less than 1,400 m (4,593 ft)] 5 °C-35 °C (41 °F-95 °F) [at altitudes of 1,400-2,700 m (4,593-8.86 ft)]	2 W (monaural)				
Operation noise* Cabinet materials Dimensions (W × H Veight* Operating environm	SERIAL IN           USB-Type A           USB-Type B           Mini USB	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLink <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Wather DC 5 V, max. 500 mA)         1 (USB Display)         1 (USB Display)         1 (USB Display)         1 (for interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes less than 1,400 m (4,593 ft)]         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-204 °F) [at altitudes of 1,400-2,700 m (4,593 ft)]         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-604 °F) [at altitudes of 1,400-2,700 m (4,593 ft)]         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-604 °F) [at altitudes of 1,400-2,700 m (4,593 -8,858 ft)]	2 W (monaural)				
Operation noise* Cabinet materials Dimensions (W × H Veight* Operating environm	SERIAL IN           USB-Type A           USB-Type B           Mini USB           ix D)           ient           BS	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLink <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (R5-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 38 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F104 °F) [at altitudes less than 1,400 m (4,593 ft)]         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F104 °F) [at altitudes of 1,400-2,700 m (4,593 ft)]         Operating environment tumidity: 2080 % (no condensation)         • Wireless remote control unit x 1       • Power cord x 1 (x 2 for A model only) • Instruction manual (Basic guide)       • Batteries for remote control (R03/LR03/AAA type (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3	2 W (monaural)				
Operation noise* Jabinet materials Dimensions (W × H Veight* Operating environm Supplied accessorie	SERIAL IN USB-Type A USB-Type B Mini USB I × D) I × D) Ient Es Ceiling mount bracket	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (R5-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes less than 1,400 m (4,593 ft)]         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes of 1,400-2,700 m (4,593-8,858 ft)]         Operating environment tumidity: 20-80 % (no condensation)         • Wireless remote control unit x 1       • Power cord x 1 (x 2 for A model only) • Instruction manual (Basic guide) • Batteries for remote control (R03/LR03/AAA type (x 4))         • Use table (4, 5 m)       • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • OD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • Control manual and interactive drawing application         Projector mount	2 W (monaural)				
Dperation noise* Cabinet materials Dimensions (W × H Veight* Dperating environm	SERIAL IN USB-Type A USB-Type B Mini USB I × D) Hent ES Celling mount bracket Replacement lamp unit	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes less than 1,400 m (4,593 ft)]         0perating environment tumpidity: 20-80 % (no condensation)         • Wireless remote control unit x 1       • Power cord x 1 (x 2 for A model only) • Instruction manual (Basic guide)       • Batteries for pen (R2)         • Batteries for pen (R2)       • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instructio	2 W (monaural)				
Deration noise* Dabinet materials Dimensions (W × H Weight* Derating environm Supplied accessorie	SERIAL IN USB-Type A USB-Type B Mini USB IX D) hent Ceiling mount bracket Replacement lamp unit Replacement filter unit	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-50 °F) [at altitudes less than 1,400 m (4,593 ft)]         Operating environment humidity: 20-80 % (no condensation)         • Urieless remote control unit x 1         • Power cord x 1 (x 2 for A model only)       • Instruction manual (Basic guide)       • Batteries for pen (R2)         • Batteries for pen (R2)       • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • Projector Mount bracket: ET-PKL4308, Ceiling mount bracket (for hi	2 W (monaural)				
Deration noise* Dabinet materials Dimensions (W × H Weight* Derating environm Supplied accessorie	SERIAL IN USB-Type A USB-Type B Mini USB I × D) Hent ES Celling mount bracket Replacement lamp unit	RJ-45 (x 1), for network connections, 10Base-T/100Base-TX, PJLInk <sup>7M</sup> (class 1) compatible         D-Sub 9P (female) x 1, for external control (RS-232C compatible)         1 (Memory Viewer, DC 5 V, max. 500 mA)         1 (USB Display)         1 (for Interactive function)         —         10 W (monaural)         Normal: 37 dB, Eco1: 33 dB, Eco2: 28 dB         Molded plastic (PC)         335 mm x 134.1 mm (with legs at shortest position) x 329 mm         Approx. 3.8 kg (8.4 lbs)         Operating environment temperature: Normal use: 5 °C-40 °C (41 °F-104 °F) [at altitudes less than 1,400 m (4,593 ft)]         0perating environment tumpidity: 20-80 % (no condensation)         • Wireless remote control unit x 1       • Power cord x 1 (x 2 for A model only) • Instruction manual (Basic guide)       • Batteries for pen (R2)         • Batteries for pen (R2)       • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instruction manual, Multi Projector Monitoring & Control Software*3         • CD-ROM (x 1) ··· Instructio	2 W (monaural)				

#### **Optional accessories**



#### Caution

Do not install the projector in locations that are subject to excessive water, humidity, steam or oily smoke. Doing so may result in fire, malfunction or electric shock.

#### NOTES ON USE

- 1. The projector uses a high-voltage mercury lamp under high internal pressure. This lamp may break, emitting a popping

- The projector uses a nigh-voltage intercury lamp under nigh memaria pressure. This lamp may break, ethning a popping sound, or fail to illuminate, due to impact or extended use.
   The high-wattage lamp becomes very hot during operation. Please observe the following precautions:

   Never place objects on top of the projector while it is in operation.
   Make sure there is an unobstructed space of 1000 mm(3 ft 3 in) or more around the projector's exhaust openings.
   If stacking projector units, care must be taken to provide the recommended space between units. These space requirements also apply to installation where only one projector unit is operating at one time and the other unit is used as a backup.

. If the projector is placed in a box or enclosure, the temperature of the air surrounding the projector must match the operating temperature listed in the specifications table during use. Also, make sure the projector's intake and exhaust openings are not blocked. Ensure there is sufficient ventilation to prevent hot air from the exhaust openings being

- openings are not blocked. Ensure there is sufficient ventilation to prevent hot air from the exhaust openings being recirculated into the intake opening. 3. The lamp replacement cycle duration becomes shorter if the projector is operated repeatedly for short periods. The lamp replacement cycle varies greatly depending on individual lamp characteristics and usage conditions. The brightness of the lamp will gradually decrease with use. 4. Due to natural characteristics of lamps, screen brightness may fluctuate. This is not an indication of faulty lamp performance.



Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Weights and utilities in shown are approximate. Specifications and appearance are subject to charge windout house. Product availability differs depending on region and country. This product may be subject to export control regulations. The projection distances and throw ratios given in this brochure are for use only as guidelines. For more detailed information, please consult the dealer from whom you are purchasing the product. The PULink trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. Windows® are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. HDMI, the HDMI logo and High-Definition Multimedia Interface is a trademark or registered trademark of HDMI Licensing LLC. All other trademarks are the property of their respective trademark owners. Projection images



Dimensions

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