



**LCD, 3300 lumens, WXGA, long lamp and filter replacement cycle, 16.000:1 contrast ratio**

## **PT-TW351R**

Designed for education and corporate applications

### **Key Features**

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LCD, 3300 lumens, WXGA

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Short throw projection with interactive functionality to write on the projected image with an interactive pen/pointer

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Projects 80 inch screen from a distance of only 80cm

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Lamp and filter replacement cycle of up to 10,000 hours ( Reduces TCO )

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16,000:1 contrast ratio



## PT-TW351R

<https://eu.connect.panasonic.com/lu/en/products/projectors/pt-tw351r>

<b>Power Supply</b>	AC100-240V 3.5A 50/60 Hz
<b>Power Consumption</b>	300W
	6W when Standby mode set to Normal,
	0.5W when Standby mode set to Eco*1
<b>LCD Panel   Panel Size</b>	15.0 mm (0.59 inches) diagonal (16:10 aspect ratio)
<b>LCD Panel   Display Method</b>	Transparent LCD panel (x 3, R/G/B)
<b>LCD Panel   Drive Method</b>	Active matrix method
<b>LCD Panel   Pixels</b>	1,024,000 (1,280 x 800) x 3, total of 3,072,000 pixels
<b>LCD Panel   Pixel Configuration</b>	Stripe
<b>Lens</b>	Fixed zoom, manual focus F1.8 f 6.08mm
<b>Throw Ratio</b>	0.46:1
<b>Lamp</b>	230 W UHM lamp
<b>Lamp/Filter*2 Replacement Cycle</b>	Normal: 5,000hrs / Eco1: 6,000hrs / Eco2: 10,000hrs
<b>Screen Size</b>	50-100 inches (1.27 - 2.54 m) diagonally, 16:10 aspect ratio
<b>Colors</b>	Full color (16,777,216 colors)
<b>Brightness*3</b>	3,300 lumens (lamp power: normal)
<b>Center-to-Corner Uniformity*3</b>	80%
<b>Contrast*3</b>	16,000:1 (all white/all black, Image mode:Dynamic, Lamp control: Normal, Iris: On)
<b>Resolution</b>	1,280 x 800 pixels (Input signals that exceed this resolution will be converted to 1,280 x 800 pixels.)
<b>Optical Axis Shift</b>	7.25:1 (fixed)
<b>Keystone Correction Range</b>	Vertical: ±15°, horizontal: ±15°
<b>Installation</b>	Ceiling/floor, front/rear (menu selection)
<b>Built-in Speaker   Output Power</b>	10 W (monaural) x 1
<b>Terminals   HDMI In</b>	HDMI 19-pin x 1, HDCP and Deep Color compatible Audio signal: linear PCM (sampling frequencies: 48 kHz, 44.1 kHz, 32 kHz)
<b>Terminals   Computer (RGB) 1 In</b>	D-sub HD 15-pin (female) x 1
<b>Terminals   Computer (RGB) 1 In   R, G, B</b>	R, G, B: 0.7 Vp-p, 75 ohms; HD/VD, SYNC: high impedance, TTL (positive/negative automatic)
<b>Terminals   Computer (RGB) 1 In   Y, PB (CB), PR (CR)</b>	Y: 1.0 Vp-p (including sync signal), 75 ohms PB (CB), PR (CR): 0.7 Vp-p, 75 ohms
<b>Terminals   Computer (RGB) 1 In   S-Video</b>	Y: 1.0 Vp-p; C: 0.286 Vp-p, 75 ohms NOTE: D-Sub -S video conversion cable (ET-ADSV) is required.
<b>Terminals   Computer (RGB) 2 In</b>	D-sub HD 15-pin (female) x 1
<b>Terminals   Computer (RGB) 2 In   R, G, B</b>	R, G, B: 0.7 Vp-p, 75 ohms; HD/VD, SYNC: TTL (positive/negative automatic)
<b>Terminals   Monitor Out</b>	D-sub HD 15-pin (female) x 1
<b>Terminals   Monitor Out   R, G, B</b>	R, G, B: 0.7 Vp-p, 75 ohms; HD/VD, SYNC: TTL (positive/negative polarity compatible)
<b>Terminals   Video In</b>	Pin jack x 1, 1.0 Vp-p, 75 ohms
<b>Terminals   Audio In 1</b>	M3 (L, R) x 1, 0.5 Vrms
<b>Terminals   Audio In 2</b>	Pin jack x 2 (L, R x 1), 0.5 Vrms
<b>Terminals   Audio Out</b>	M3 (L, R) x 1 (monitor out: 0- 2.0 Vrms, variable)
<b>Terminals   Serial In</b>	D-sub 9-pin (female) x 1, for external control (RS-232C compliant)
<b>Terminals   LAN</b>	RJ-45 x 1, for network connection, compliant with PLink™, 100Base-TX/10Base-T
<b>Terminals   USB</b>	USB A (type A) connector x 1, for Memory Viewer/Wireless Module (Out put 5V MAX 500mA) USB B (type B) connector x 1, for USB Display
<b>Terminals   Mini USB</b>	Mini USB connector x 1, for interactive function
<b>Power Cord Length</b>	3 m (9 ft 10 in)
<b>Cabinet Materials</b>	Molded plastic
<b>Dimensions (W x H x D)</b>	335 x 134.1*4 x 329 mm (13-3/16 x 5-1/4*4 x 12-15/16 inches)
<b>Weight*5</b>	Approx. 3.9 kg (8.6 lbs)
<b>Operation Noise*3</b>	37 dB (Lamp power: Normal), 33 dB (Lamp power: Eco1) 28 dB (Lamp power: Eco2)

<b>Operating Temperature</b>	5°C-40°C (41°F-104°F) [at less than 1,400 m (4,593 ft.);[High land]:[off] 5°C-35°C (41°F-95°F) [at 1,400 m to 2,700 m (4,593 ft. to 8,858 ft.);[High land]:[on 1 ] 5°C-30°C (41°F-86°F) [at 2,700 m to 3,000 m (8,858 ft. to 9,843 ft.);[High land]:[on 2 ]
<b>Operating Humidity</b>	20%-80% (no condensation)
<b>Note</b>	*1 When the Standby mode is set to Eco, network functions such as power on over the LAN network will not operate. Also, only certain commands can be received for external control using the serial terminal. *2 Usage environment affects the duration of filter. *3 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards. *4 With legs at shortest position. *5 Average value. May differ depending on models.
<b>Technology</b>	LCD
<b>Brightness</b>	3300 lumens