7,200 lumens Solid Shine laser projector

PT-RZ770
Laser 1-Chip DLP, 7200 lumens (centre), WUXGA, 360 degree free installation, long lasting laser engine

Key Features

- Laser 1-Chip DLP, 7200 lumens (centre), WUXGA
- High brightness and excellent image quality with laser light source
- Maintenance free up to 20,000 hours with dust-resistant optical block and long lasting laser engine
- Free 360 degrees installation and Geometric Manager Pro function
- 10,000:1 contrast ratio

7,200 lumens Solid Shine laser projector Designed for intensive usage and long lasting brightness in education, museums, exhibitions and digital signage applications
### SPECIFICATIONS

#### Power Supply
- AC100 - 240V 8.3A 50Hz/60Hz

#### Power Consumption
- 825W
- STANDBY MODE (NORMAL): 10.2W
- STANDBY MODE (ECO): 3W
- STANDBY MODE (When the [QUICK STARTUP] function is enabled): Approx. 85 W

#### BTU Value
- Max 2,815 BTU

#### Lens
- PT-RZ770B/W: Powered zoom/focus lenses (1.7-2.4:1), F 1.7-1.9, f 25.6-35.7 mm
- PT-RZ770LB/LW: Optional powered zoom/focus lenses and fixed-focus lens

#### Light Source
- Laser Diode Laser class 1(Class3R for US models)
- Luminance life for set: 20,000 hours at half luminance (normal) / 24,000 hours at half luminance (Eco)
- Temperature: 30°C (86°F), Altitude 700m (2,297 ft), Dust: 0.15mg/m3
- Dynamic Contrast: 43,800 hours at constant luminance (LONG LIFE 1) / 61,320 hours at constant luminance (LONG LIFE 2) / 87,600 hours at constant luminance (LONG LIFE 3)

#### Screen Size
- 1.27-15.24 m (50-600 inches) (16:10 aspect ratio)
- 1.27 - 5.08 m (50 - 200 inches) with the ET-DLE055 (16:10 aspect ratio)
- 2.54 - 7.62 m (100 - 350 inches) with the ET-DLE030 (16:10 aspect ratio)

#### Brightness
- 7,200 lumens (Center)/ 7,000 lumens (Half luminance)  (NORMAL)
- 5,600 lumens (Half luminance)  (ECO)
- 2,800 lumens (Constant luminance) (LONG LIFE 1)
- 2,300 lumens (Constant luminance) (LONG LIFE 2)
- 1,900 lumens (Constant luminance) (LONG LIFE 3)

#### Center-to-Corner Uniformity
- 90%

#### Contrast
- 10,000:1 (All White/All Black) (Dynamic Contrast)

#### Scanning Frequency | SDI
- 3G-3G-SDI signal (RGB 4:4:4 12-bit/10-bit):
  - SMPTE ST 424 compliant: 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p, [2K/24p], [2K/25p], [2K/30p]
- 3G-SDI signal (YPBPR4:2:2 10-bit):
  - SMPTE ST 424 compliant: 1125(1080)/60p, 1125(1080)/50p, [2K/48p], [2K/50p], [2K/60p]
- HD-SDI signal (YPBPR4:2:2 10-bit):
  - SMPTE ST 292 compliant: 750(720)/60p, 750(720)/50p, 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p, 1125(1080)/50p, VGA (640 x 480) - WUXGA (1920 x 1200) compatible with non-interlaced signals only
- SD-SDI signal (YCBGR4:2:2 10-bit):
  - SMPTE ST 259 compliant: 525i(480i), 625i(576i)3G-

#### Scanning Frequency | HDMI/DVI-D
- fH: 15-100kHz, fV: 24 - 120Hz, dot clock: 25 - 162 MHz
- 525i (480i)*4, 625i (576i)*4, 525p (480p), 625p (576p), 750 (720)/60p, 750 (720)/50p, 1125 (1080)/60i, 1125 (1080)/50i, 1125 (1080)/25p
- 1125 (1080)/24p, 1125 (1080)/24sF, 1125 (1080)/30p, 1125 (1080)/60p, 1125 (1080)/50p, VGA (640 x 480) - WUXGA (1920 x 1200) compatible with non-interlaced signals only

#### Scanning Frequency | RGB
- fH: 15-100kHz, fV: 24 - 120Hz, dot clock: 20 - 162 MHz

#### Scanning Frequency | YPBPR (YCBGR)
- 525i (480i): fH 15.73 kHz; fV 59.9 Hz, 525p (480p): fH 31.50 kHz; fV 60 Hz, 625i (576i): fH 15.63 kHz; fV 59.9 Hz, 625p (576p): fH 31.25 kHz; fV 50 Hz, 750 (720)/60p: fH 45.00 kHz; fV 60 Hz, 750 (720)/50p: fH 37.50 kHz; fV 50 Hz, 1125 (1080)/60i: fH 33.75 kHz; fV 60 Hz, 1125 (1080)/50i: fH 28.13 kHz; fV 50 Hz, 1125 (1080)/25p: fH 31.87 kHz; fV 25 Hz, 1125 (1080)/24p: fH 27.00 kHz; fV 24 Hz, 1125 (1080)/24sF: fH 27.00 kHz; fV 48 Hz, 1125 (1080)/30p: fH 33.75 kHz; fV 30 Hz, 1125 (1080)/60p: fH 67.50 kHz; fV 60 Hz, 1125 (1080)/50p: fH 56.25 kHz; fV 50 Hz

#### Scanning Frequency | Video/S-Video
- fH: 15.73 kHz, fV: 59.9 Hz [NTSC/NTSC4.43/PAL-M/PAL60]
- fH: 15.63 kHz, fV: 50 Hz [PAL-PAL-N/SECAM]
Optical Axis Shift
Vertical: +50%, -16% (powered),
Horizontal: +30%, -10% (When using the ET-DLE085/DLE105, +28%, -10%)(powered)
NOTE: Optical axis shift function cannot be operated when used with the ET-DLE055.
using the ET-DLE030, the optical axis is fixed.

Installation
Ceiling/floor, front/rear, 360 degree free installation

Terminals | SDI In
BNC x 1,
3G-SDI signal: SMPTE ST 424 compliant
HD-SDI signal: SMPTE ST 292 compliant
SD-SDI signal: SMPTE ST 259 compliant

Terminals | HDMI In
HDMI 19-pin x 1, Deep Color, compatible with HDCP

Terminals | DVI-D In
DVI-D 24-pin x 1, DVI 1.0 compliant, compatible with HDCP,
for single link only

Terminals | RGB 1 In
BNC x 5

Terminals | RGB 1 In | R, G, B
R: 0.7 Vp-p, 75 ohms,
G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms,
B: 0.7 Vp-p, 75 ohms
HD, VD/SYNC: TTL, high impedance, positive/negative automatic

Terminals | RGB 1 In | Y, PB, PR (Y, CB, CR)
Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms

Terminals | RGB 1 In | Y/C
Y: 1.0 Vp-p, C: 0.286 Vp-p, 75 ohms

Terminals | RGB 1 In | Video
1.0 Vp-p, 75 ohms

Terminals | RGB 2 In
D-sub HD 15-pin (female) x 1

Terminals | RGB 2 In | R, G, B
R: 0.7 Vp-p, 75 ohms,
G: 0.7 Vp-p (G: 1.0 Vp-p for sync on G), 75 ohms,
B: 0.7 Vp-p, 75 ohms
HD, VD/SYNC: TTL, high impedance, positive/negative automatic

Terminals | RGB 2 In | Y, PB, PR (Y, CB, CR)
Y: 1.0 Vp-p (including sync signal), PB/PR (CB/CR): 0.7 Vp-p, 75 ohms

Terminals | Serial/Multi Projector Sync In
D-sub 9-pin (female) x 1 for external control (RS-232C compliant)

Terminals | Serial/Multi Projector Sync Out
D-sub 9-pin (male) x 1 for link control

Terminals | Remoter 1 In
M3 jack x 1 for wired remote control

Terminals | Remoter 1 Out
M3 jack x 1 for link control (for wired remote control)

Terminals | Remoter 2 In
D-sub 9-pin (female) x 1 for external control (parallel)

Terminals | LAN/DIGITAL LINK
RJ-45 x 1 for network and DIGITAL LINK (video/network/serial control) connection, 100Base-TX, compliant with PJLink™ (Class 1)
Deep Color, HDCP

Power Cord Length
3.0 m (9 ft 10 in)

Cabinet Materials
Molded plastic

Dimensions (W x H x D) | PT-RZ770B/RZ770W
498 x 200 *5 x 581mm
(19-19/32 x 7-7/8*5 x 22-7/8in ) with supplied lens

Dimensions (W x H x D) | PT-RZ770LB/RZ770LW
498 x 200 *5 x 538 mm
(19-19/32 x 7-7/8*5 x 21-3/16in) without lens

Weight | PT-RZ770B/RZ770W
Approx. 23.2kg (51.1lbs) with supplied lens

Weight | PT-RZ770LB/RZ770LW
Approx. 22.4kg (49.4lbs) without lens

Operation Noise
36 dB

Operating Temperature
0-45 °C (32-113 °F) *6

Operating Humidity
10%-80% (no condensation)

Note
*1 When the STANDBY MODE is set to Eco, network functions such as power on
over the LAN will not operate.
*2 The value of the light output at the center region of the projected image is extracted
based on the light output measurement method defined by
the ISO/IEC 21118:2012 international standards.
*3 Measurement, measuring conditions, and method of notation all comply with ISO
21118 international standards.
*4 Only compatible with dot clock frequency of 27 MHz (pixel repetition signal).
*5 with legs at shortest position.
*6 Limits the luminance when used in locations from 0m to 2,700m (0ft to 8,858ft)
above sea level at ambient temperatures of 35°C (95°F) or higher,
or from 2,700m to 4,200m (8,858ft to 13,780ft) above sea level at ambient
temperatures of 25 °C (77 °F) or higher.

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URL: https://business.panasonic.co.uk/visual-system/pt-rz770-0

CONTACT

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