# Projecteur laser Solid Shine compact de la classe 20 000 lumens

## PT-RZ12

Conçu pour une luminosité stable et durable pour les applications événementielles et de scène. Projecteur à source lumineuse laser, DLP à 3 puces, 12 000 lumens, WUXGA.

## KEY FEATURES

- Laser DLP à 3 puces, 12 000 lumens, WUXGA

- Fréquence d'images élevée de 120 Hz pour de superbes vidéos extrêmement nettes

- Projection laser sans lampe avec système de refroidissement liquide résistant à la poussière et 20 000 heures de fonctionnement sans entretien

- Taux de contraste de 20 000/1

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- Processeur de mouvement combinant la création d'images intermédiaires et le traitement haute vitesse à 120 Hz afin d'obtenir des mouvements parfaitement fluides
- Luminosité impressionnante : 12 000 lm
- Projecteur Tri-DLP™ le plus léger au monde : 45 kg (juin 2015)
- Contraste dynamique de 20 000:1[*1] grâce au contrôle de la puissance de la source lumineuse laser
- Processeur Detail Clarity de nouvelle génération : une incroyable texture aux détails les plus infimes

- System Daylight View 3 pour une reproduction améliorée des couleurs dans les pièces lumineuses, également parfait pour les applications de mapping
- Mode de simulation DICOM pour les conférences et les formations médicales*2
- Mode Rec. 709 pour projection HDTV aux couleurs fidèles

## SPECIFICATIONS

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| **Luminosité** | 12,000 lumens |
| **Résolution** | 1,920 x 1,200 pixels (Input signals that exceed this resolution will be converted to 1,920 x 1,200 pixels.) |
| **Lamp** | 3-Chip DLP Laser |
| **Power Supply** | AC 100-240 V 50/60 Hz |
| **Power Consumption** | 1,200 W (1,280 VA) (0.3 W with STANDBY MODE set to ECO. 4 W with STANDBY MODE set to NORMAL.), Average power consumption NORMAL: 800W ECO: 680W LONG LIFE1: 620W LONG LIFE 2: 590W LONG LIFE 3: 550W *Operating Temperature: 25 °C (77 °F), Altitude: 700m (22 ft 12 in), ICE627087: 2008 Broadcast contents, Picture mode: Dynamic, Dynamic Contrast3 |
| **BTU Value** | Max 4,096 BTU |
| **DLP™ Chip \| Panel Size** | 24.4 mm (0.96 inches) diagonal (16:10 aspect ratio) |
| **DLP™ Chip \| Display Method** | DLP™ chip x 3 (R, G, B), DLP™ projection system |
| **DLP™ Chip \| Pixels** | 2,304,000 (1,920 x 1,200) x 3, total of 6,912,000 pixels |
| **Lens** | Optional powered zoom/focus lenses |
| **Light Source** | Laser Diode (Laser class: Class 1) Luminance life for set: 20,000 hours at half luminance (normal)/ 24,000 hours at half luminance (Eco) * Temperature: 35°C (95°F), Altitude 700m (22ft 12in), Dust: 0.15mg/m³ 43,800 hours at constant luminance (Longlife1) 61,320 hours at constant luminance (Longlife2) 87,600 hours at constant luminance (Longlife3) |
| **Screen Size** | 1.78-25.4 m (70-1,000 inches) (16:10 aspect ratio) 1.78-15.24 m (70-600 inches) with the ET-D75LE8 (16:10 aspect ratio) 3.05-15.24 m (120-600 inches) with the ET-D75LE90 (16:10 aspect ratio) |
| **Center-to-Corner Uniformity** | 90% |
| **Contraste** | 20,000:1 (full on/full off, in Dynamic Contrast 3 mode) |
| **Scanning Frequency \| SDI** | SD-SDI signal (YCBCR 4:2:2 10-bit): SMPTE ST 259 compliant: 525i(480i), 625i(576i) Single-link HD-SDI signal (YPBPR 4:2:2 10-bit): SMPTE ST 292 compliant: 750(720)/60p, 750(720)/50p, 1125(1035)/60i, 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p Dual-link HD-SDI signal (RGB 4:4:4 12-bit/10-bit): SMPTE ST 372 compliant: 1125(1080)/60i, 1125(1080)/50i, 1125(1080)/25p, 1125(1080)/24p, 1125(1080)/24sF, 1125(1080)/30p 2048 x 1080/24p, 2048 x 1080/24sF, Dual-link HD-SDI signal (X Y Z 4:4:4 12-bit): SMPTE ST 372 compliant: 2048 x 1080/24p, 2048 x 1080/24sF, 3G-SDI signal (YPBPR 4:2:2 10-bit): SMPTE ST 424 compliant: 1125(1080)/60p, 1125(1080)/50p 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 Dual-link 3G-SDI signal (YPBPR 4:4:4 12-bit/10-bit): SMPTE ST 425 compliant: 1125(1080)/60i, 1125(1080)/50i, 2048 x 1080/48p, 2048 x 1080/50p, 2048 x 1080/60p Dual-link 3G-SDI signal (RGB 4:4:4 12-bit/10-bit): SMPTE ST 425 compliant: 1125(1080)/60i, 1125(1080)/50i, 2048 x 1080/48p, 2048 x 1080/50p, 2048 x 1080/60p |

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| **Scanning Frequency \| HDMI/DVI-D** | Horizontal: 15 kHz-100 kHz, vertical: 24 Hz - 120 Hz, dot clock: 25 MHz - 162 MHz |
| **Scanning Frequency \| RGB** | Horizontal: 15 kHz-100 kHz, vertical: 24 Hz - 120 Hz, dot clock: 162 MHz or less |
| **Scanning Frequency \| YPBPR (YCBCR)** | 525i (480i): fH 15.73 kHz; fV 59.94 Hz, 625i (576i): fH 15.63 kHz; fV 50 Hz, 525p (480p): fH 31.47 kHz; fV 59.94 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 (1035)/60i: fH 33.75 kHz; fV 60 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 28.13 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/Y/C** | fH: 15.73 kHz, fV: 59.94 Hz [NTSC/NTSC4.43/PAL-M/PAL60] fH: 15.63 kHz, fV: 50 Hz [PAL/PAL-N/SECAM] |
| **Optical Axis Shift \| Vertical** | ±55% (±44% with the ET-D75LE6), (+73-78% with the ET-D75LE90), from center of screen, powered |
| **Optical Axis Shift \| Horizontal** | ±20% (±15% with the ET-D75LE6), (±6% with the ET-D75LE90), from center of screen, powered NOTE: Optical axis shift function cannot be operated when used with the ET-D75LE50. |
| **Keystone Correction Range** | Vertical : ±40° (±22° with the ET-D75LE50, ±28° with the ET-D75LE6, +5° with the ET-D75LE90), horizontal: ±15° (0° with the ET-D75LE90) |
| **Installation** | Ceiling/floor, front/rear |
| **Terminals \| SDI In 1** | BNC x 2, Dual-link 3G-SDI signal: SMPTE ST 425 compliant 3G-SDI (3G/HD/SD-SDI, Dual-link HD-SDI, Dual-link 3G-SDI) signal: SMPTE ST 424 compliant Dual-link HD-SDI signal: SMPTE ST 372 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, NOTE: Compatible with non-interlaced signals only. |
| **Terminals \| DVI-D In** | DVI-D 24-pin x 1, DVI 1.0 compliant, HDCP compatible, 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 NOTE: SYNC/HD and VD terminals do not accept tri-level sync signals. |
| **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 \| Video in** | BNC x 1, 1.0 Vp-p 75 ohms Y/C Y: 1.0 Vp-p (including sync signal), C: 0.286 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 \| 3D Sync 1 In/Out** | BNC x 1, 1.0 Vp-p, 75 ohms Input: TTL, high impedance. Output: TTL, max. 10 mA |
| **Terminals \| 3D Sync 2 Out** | BNC x 1, 1.0 Vp-p, 75 ohms, TTL, max. 10 mA |
| **Terminals \| Serial In** | D-sub 9-pin (female) x 1 for external control (RS-232C compliant) |
| **Terminals \| Serial Out** | D-sub 9-pin (male) x 1 for link control |
| **Terminals \| Remoter 1 In** | M3 jack x 1 for wired remote control |

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|---|---|
| **Terminals \| Remoter 1 Out** | M3 jack x 1 for link control |
| **Terminals \| Remoter 2 In** | D-sub 9-pin x 1 for external control (parallel) |
| **Terminals \| DIGITAL LINK/LAN** | RJ-45 Network connection / digital link connection (video/network/serial control) compliant with PJLink™,100base-tx, Art-Net compatible |
| **Power Cord Length** | 3.0 m (9 ft 10 in) |
| **Cabinet Materials** | Molded plastic |
| **Dimensions (W x H x D)** | 578 x 323.5 x 740 mm (22-3/4 x 12-23/32 x 29-1/8 inches) (without lens) |
| **Poids** | 44 kg (97.0 lbs) (without lens) |
| **Operating Noise** | 43 dB |
| **Température de fonctionnement** | Normal<br>The operating temperature range is 0°C to 50°C (32 °F to 122 °F).<br>(Brightness is limited at operating temperatures of 35°C (95°F) or more at altitudes from 700 m to 2,700 m (2,297 ft to 8,858 ft) above sea level,and at operating temperatures of 25°C (77°F) or more at altitudes from 2,700 m to 4,200 m (8,858 ft to 13,780 ft) above sea level.)<br>Eco/Long life 1/2/3<br>The operating temperature range is 0°C to 45°C (32 °F to 113 °F).<br>(Brightness is limited at operating temperatures of 35°C (95°F) or more at altitudes up to 2,700 m (8,858 ft) above sea level. The projector cannot be used at altitudes of 2,700 m (8,858 ft) or more above sea level.)<br>When the projector is used with a Smoke Cut Filter<br>The operating temperature range is 0°C to 40°C (32 °F to 104 °F).<br>(The projector cannot be used at altitudes of 1,400 m (4,593 ft) or more above sea level.)<br>* The brightness of the light source may drop depending on the operating temperature range. The higher the temperture, the greater the drop in the brightness of the light source will be. |
| **Applicable Software** | 10%-80% (no condensation) |
| **Technologie** | 3-chip DLP Laser |

URL: https://business.panasonic.fr/systemes-visuels/pt-rz12

# CONTACT

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