

# Vidéoprojecteurs laser mono-DLP™ pour l'enseignement et les entreprises

PT-FRZ60

Des vidéoprojecteurs laser mono-DLP™ ultra-simples à la gestion aisée, offrant des images nettes dans les pièces lumineuses et simples à intégrer dans les bureaux et les salles de classe



## KEY FEATURES

- Laser mono-DLP, 6200 lumens (centre), WUXGA
- Technologie d'imagerie DLP™, Quartet Colour Harmonizer, Rich Colour Enhancer et optimisation du contraste dynamique (Dynamic Contrast 2) modulé numériquement
- Fonctionnement sans entretien pouvant aller jusqu'à 20 000 heures avec bloc optique résistant aux poussières et moteur laser durable
- Zoom 2,0x flexible (1,46 – 2,94:1) avec décalage vertical et horizontal
- Prise en charge des signaux d'entrée 4K/60p non compressés via des entrées HDMI® conformes au format HDCP 2.2 ou un terminal DIGITAL LINK

## SPECIFICATIONS

|                                     |                                                 |
|-------------------------------------|-------------------------------------------------|
| <b>Projector type</b>               | 1-Chip DLP™ projector                           |
| <b>DLP™ Chip   Panel Size</b>       | 17.0 mm (0.67 in) diagonal (16:10 aspect ratio) |
| <b>DLP™ Chip   Display Method</b>   | DLP™ chip x 1, DLP™ projection system           |
| <b>DLP™ chip   Number of Pixels</b> | 2,304,000 (1920 x 1200 pixels)                  |

|                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| Light Source                                                       | Laser diodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Light output                                                       | 6,000 lm*1/6,200 lm (Center)*2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Time until light output declines to 50 %*3                         | 20,000 hours (NORMAL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Résolution                                                         | 1920 x 1200 pixels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Contrast Ratio*1                                                   | 20,000:1 (Full On/Full Off, Dynamic Contrast Mode: ON)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Screen size [diagonal]                                             | 1.02–7.62 m (40–300 in), 16:10 aspect ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Center-to-corner zone ratio*1                                      | 90 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lens                                                               | 2.0x manual zoom (throw ratio: 1.46–2.94:1), manual focus, F 2.0–3.4, f 21.5–43.0 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Lens shift   Vertical(From the origin point of the lens mounter)   | +64 %, -44 % (manual)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Lens shift   Horizontal(From the origin point of the lens mounter) | +34 %, -27 % (manual)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Keystone Correction Range                                          | Vertical: ±40 °, Horizontal: ±20 °. When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of ±60 °.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Installation                                                       | Ceiling/floor, front/rear, free 360-degree installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Terminals   HDMI In                                                | HDMI 19-pin x 2 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*4), CEC supported                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Terminals   Computer 1 In                                          | D-sub HD 15-pin (female) x 1 (RGB/YBPBR/YCBCR/YC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Terminals   Computer 2 In/1 Out                                    | D-sub HD 15-pin (female) x 1 (RGB/YBPBR/YCBCR/YC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Terminals   Video In                                               | Pin jack x 1 (composite video)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Terminals   Audio In 1                                             | Pin jack x 2 (L, R)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Terminals   Audio In 2/3                                           | M3 x 1/M3 x 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Terminals   Audio Out                                              | M3 x 1 (Variable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Terminals   Serial In                                              | D-sub 9-pin (female) x 1 for external control (RS-232C compliant)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Terminals   DIGITAL LINK                                           | RJ-45 x 1 for network and DIGITAL LINK connections (HDBaseT™ compliant), PLink™ (Class 2) compatible, 100Base-TX, Art-Net compatible, HDCP 2.2 compatible, Deep Color compatible, 4K/60p signal input*4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Terminals   LAN                                                    | RJ-45 x 1 for network connection, PLink™ (Class 2) compatible, 10Base-T/100Base-TX, Art-Net compatible                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Terminals   USB                                                    | USB connector (Type A) x 1 (Output 5 V/2 A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Power Supply                                                       | AC 100–240 V, 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Power Consumption                                                  | TBD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Cabinet Materials                                                  | Molded plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Operation noise*1                                                  | 30 dB (Quiet Mode) (TBD), 35 dB (Normal Mode) (TBD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimensions (W x H x D)                                             | 498 x 168*5 x 492 mm (19 5/8" x 6 5/8"*5 x 19 3/8" )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Weight*6                                                           | Approx. 16.6 kg (36.6 lbs) (TBD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating Environment                                              | Operating temperature: 0–40 °C (32–104 °F), operating humidity: 10–80 % (no condensation) (TBD)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Applicable Software                                                | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Note                                                               | *1 Measurement, measuring conditions, and method of notation all comply with ISO/IEC 21118: 2012 international standards. Value is average of all products when shipped. *2 Average light-output value of all shipped products measured at center of screen in NORMAL Mode. *3 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [ON], under conditions with 35 °C (95 °F), 700 m (2,297 ft) above sea level, and 0.15 mg/m3 of particulate matter. Estimated time until light output declines to 50 % varies depending on environment. *4 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *5 With legs at shortest position. *6 Average value. May differ depending on the actual unit. |

## CONTACT

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