



**Proyector con fuente de luz láser, 3 LCD, 16.000  
lúmenes, WUXGA**

## PT-MZ16KL

Diseñado para reducir la carga de trabajo de los directores  
audiovisuales en empresas y universidades.

### Key Features

3 LCD láser, 16.000 lúmenes, WUXGA

Su diseño silencioso (38 dB en modo normal) y ligero (22 kg)  
es ideal para salas de conferencias y seminarios

20.000 horas de funcionamiento sin necesidad de  
mantenimiento gracias a su diseño resistente a la entrada de  
polvo y al filtro ecológico de larga duración

El motor de triple accionamiento garantiza un  
funcionamiento ininterrumpido con una función de  
conmutación por error. Una entrada de señal auxiliar  
secundaria y la función de supervisión reducen la importancia  
de posibles fallos técnicos.

Instalación flexible con posibilidad de elegir entre siete  
objetivos con zoom opcionales. Configuración sencilla con el  
software Geo Pro y la función DIGITAL LINK





## PT-MZ16KL

<https://eu.connect.panasonic.com/es/es/products/projectors/pt-mz16kl>

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| <b>Projector type</b>                                              | LCD projectors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Light Source</b>                                                | Laser diodes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Light output*1</b>                                              | 16,000 lm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Time until light output declines to 50 %*2</b>                  | 20,000 hours (NORMAL)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Resolución</b>                                                  | 1920 x 1200 pixels                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Contrast Ratio*1</b>                                            | 3,000,000:1 (Full On/Full Off) * With [Dynamic Contrast] set to [3]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Screen size [diagonal]</b>                                      | 2.03–12.7 m (80–500 in), 16:10 aspect ratio                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Center-to-corner zone ratio*1</b>                               | 85 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Lens</b>                                                        | Optional powered zoom lenses                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Lens shift   Vertical (from center of screen)</b>               | ±60 % (±40 % with ET-EMW200, ±50 % with ET-EMW300) (powered)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Lens shift   Horizontal (from center of screen)</b>             | ±20 % (±19 % with ET-EMW200) (powered)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Keystone Correction Range</b>                                   | Vertical: ±40° (±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500), Horizontal: ±15° (±8° with ET-EMW200/ET-EMW300)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Keystone correction range with optional ET-UK20 Upgrade Kit</b> | Vertical: ±40° (±14° with ET-EMW200/ET-EMW300, ±22° with ET-EMW400/ET-EMW500), Horizontal: ±40° (±8° with ET-EMW200/ET-EMW300, ±15° with ET-EMW400/ET-EMW500) When [VERTICAL KEYSTONE] and [HORIZONTAL KEYSTONE] are used simultaneously, correction cannot be made exceeding a total of 55 °.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Instalación</b>                                                 | Ceiling/floor, front/rear, free 360-degree installation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Terminals   SDI In</b>                                          | BNC x 1: 3G/HD-SDI input                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Terminals   HDMI In</b>                                         | HDMI 19-pin x 1 (Compatible with HDCP 2.2, Deep Color, 4K/60p signal input*3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Terminals   DVI-D In</b>                                        | DVI-D 24-pin x 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Terminal   RGB In</b>                                           | D-sub HD 15-pin (female) x 1 (RGB/YBPBR/YCBCR)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Terminals   Serial/Multi Projector Sync In</b>                  | D-sub 9-pin (female) x 1 for external control (RS-232C compliant)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Terminals   Serial/Multi Projector Sync Out</b>                 | D-sub 9-pin (male) x 1 for link control (RS-232C compliant)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Terminals   REMOTE 1 IN</b>                                     | D-sub 9-pin (female) x 1 for external control (parallel)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Terminals   Remote 2 In</b>                                     | M3 x 1 for wired remote control                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Terminals   Remote 2 Out</b>                                    | M3 x 1 for link control (for wired remote control)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Terminals   LAN</b>                                             | RJ-45 x 1 for network connection, 10Base-T, 100Base-TX (Compatible with PLink™ [Class 2], Art-Net)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Terminals   DIGITAL LINK</b>                                    | RJ-45 x 1 for network and DIGITAL LINK connection (video/network/serial control) (HDBase™ compliant), 100Base-TX (Compatible with PLink™ [Class 2], Art-Net, HDCP 2.2, Deep Color, 4K/60p signal input*3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Terminals   DC Out</b>                                          | USB Connector (Type A) x 1 (Output 5 V/2 A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Power Supply</b>                                                | AC 100-240 V, 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Power Consumption</b>                                           | 1,050 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cabinet Materials</b>                                           | Molded plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Filter</b>                                                      | Included (Estimated maintenance time: approx. 20,000 hours)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Operation noise*1</b>                                           | 38 dB (NORMAL) / 32 dB (Quiet)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Dimensiones (AnxAlxP)</b>                                       | 650 x 211*4 x 440 mm (25 19/32" x 8 5/16" x 17 21/64" ) (Without lens)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Weight*5</b>                                                    | Approx. 22.3 kg (49.2 lbs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Operating Environment</b>                                       | Operating temperature: 0–45 °C (32–113 °F)*6; Operating humidity: 10–80 % (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Applicable Software</b>                                         | Logo Transfer Software, Multi Monitoring & Control Software, Early Warning Software, Geometry Manager Pro (ET-UK20 Upgrade Kit, ET-CUK10 Auto Screen Adjustment Kit), Smart Projector Control for iOS/Android™                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Note</b>                                                        | *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 Around this time, light output will have decreased by approximately 50 %. IEC62087: 2008 Broadcast contents, NORMAL Mode, Dynamic Contrast [2], 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. *3 4K signals are converted to the projector's resolution (1920 x 1200 pixels) upon projection. Supported terminals: DIGITAL LINK/HDMI®. *4 With legs at shortest position. *5 Average value. May differ depending on the actual unit. *6 When using the projector at an altitude lower than 2,700 m (8,858 ft) above sea level, and the operating environment temperature becomes 35 °C (95 °F) or higher, the light output may be reduced to protect the projector. |
| <b>Light output</b>                                                | 16,000 lm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>LCD Panel   Panel Size</b>                                      | 25.4 mm (1.0 in) diagonal (16:10 aspect ratio)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>LCD Panel   Number of pixels</b>                                | 2,304,000 ( Pixels 1920 x 1200) pixels x 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |