

Crisp Pictures with 7,000 lm and WUXGA Resolution for Effective Visual Communication



PT-DZ770K/DZ770LK

7,000 lm

WUXGA (1,920 × 1,200)

The PT-DZ770LK is sold without lenses. The specifications are the same as those of the PT-DZ770K.

Vivid Picture Quality with High Brightness

- Unique lamp drive systems have helped to make the body compact, while providing a high 7,000 lm of brightness.
- Full-HD-ready WUXGA resolution.
- Panasonic's proprietary RGB Booster achieves high image quality with excellent color reproduction and brightness.
- Detail Clarity Processor brings depth and clarity to details.
- System Daylight View 2 enhances color perception with no need to turn off the lights.
- The DICOM Simulation mode reproduces easy-to-view rendering of X-ray photos.*¹
- Rec. 709 mode for HDTV projection.
- Full 10-bit signal processing.
- Advanced technologies for excellent image quality: 3D color management system, HD IP conversion, digital noise reduction, dynamic sharpness control.

Easy Maintenance and Superior Reliability

- A dust-resistant cabinet and reusable "Eco Filter" that needs no replacement for up to 12,000 hours*² protect optical components from dust.
- Panasonic's unique Dual Lamp System eliminates a sudden interruption if a lamp should fail (in dual-lamp operation mode). The Lamp Relay mode also operates the lamps alternately to enable 24/7 projection.
- The replacement lamp unit*³ can be used with all of the Panasonic PT-DW730 Series, PT-D6000 Series and PT-DZ570 Series projectors.*⁴ This reduces the number of lamp types that need to be kept in stock when multiple projectors are used.
- Original cooling system allows use in ambient temperatures from 0 °C to 45 °C (from 32 °F to 113 °F)*⁵ with a compact body and quiet operation.

System Integration Flexibility

- Flexible vertical 360 degree installation, lens-centered design, horizontal/vertical-lens shift and a wide range of optional lenses.
- The Multi-Screen Support System optimally adjusts multiple screens: Edge blending, color matching and multi-screen processor.
- Side-by-Side function.
- Abundant terminals, including an HDMI digital input terminal, meet a wide variety of customer needs.
- Multi Projector Monitoring & Control Software allows multiple projectors to be managed together over a wired LAN.
- Web browser control over a wired LAN.
- PJLink™ compatibility.
- Compatible with Creston RoomView™ and AMX Device Discovery.
- 30 m long-range wireless remote control.
- Direct Power Off.
- Mechanical lens shutter.
- Environment-friendly, low standby power consumption of 0.2 W at 120 V AC, 0.3 W at 220–240 V AC (STANDBY MODE: ECO)*⁶
- Carefully manufactured at the Panasonic factory in Japan, under strict quality control.

Specifications (Tentative)

P R E L I M I N A R Y
As of January 2012

Model	PT-DZ770K/DZ770LK	
Power supply	120 V AC, 9.1 A, 50/60 Hz; 220–240 V AC, 4.6 A, 50/60 Hz	
Power consumption	830 W (890 VA) at 120 V AC, 810 W (950 VA) at 240 V AC (0.2 W at 120 V AC, 0.3 W at 220–240 V AC with STANDBY MODE set to ECO;*6 8 W at 120 V AC, 9 W at 220–240 V AC with STANDBY MODE set to NORMAL. Both with fan stopped.)	
DLP™ chip	Panel size Display method Pixels	17.0 mm (0.67") diagonal (16:10 aspect ratio) DLP™ chip × 1, DLP™ projection system 2,304,000 (1,920 × 1,200) pixels
Lens	PT-DZ770K PT-DZ770LK	Powered zoom (1.7–2.4:1), powered focus F 1.7–1.9, f 25.6–35.7 mm Optional powered zoom/focus and fixed-focus lens
Lamp	300 W (max. 310 W) UHM lamp × 2	
Lamp replacement cycle	2,000 hours*7 (LAMP POWER: NORMAL), 3,000 hours*7 (LAMP POWER: ECO)	
Screen size (diagonal)	1.27–15.24 m (50–600 in), 1.27–5.08 m (50–200 in) with the ET-DLE055, 16:10 aspect ratio	
Brightness*8	7,000 lm (dual-lamp, LAMP POWER: NORMAL)	
Center-to-corner uniformity*8	90 %	
Contrast*8	2,500:1 (full on/off, CONTRAST MODE: HIGH)	
Resolution	1,920 × 1,200 pixels (Input signals that exceed this resolution will be converted to 1,920 × 1,200 pixels.)	
Scanning frequency	DVI-D RGB YPbPr (YCbCr) Video/S-Video	480p, 576p, 720/60p, 720/50p, 1080/60i, 1080/50i, 1080/24p, 1080/24sF, 1080/25p, 1080/30p, 1080/60p, 1080/50p VGA (640 × 480)–WUXGA*9 (1,920 × 1,200), compatible with non-interlaced signals only, dot clock: 25–162 MHz fh: 15–91 kHz, fv: 50–85 Hz, dot clock: 150 MHz or lower, 162 MHz or lower when a signal is input via DVI terminal fh: 15.75 kHz, fv: 60 Hz [480i (525i)] fh: 37.50 kHz, fv: 50 Hz [720 (750)/50p] fh: 27.00 kHz, fv: 24 Hz [1080/24p] fh: 31.50 kHz, fv: 60 Hz [480p (525p)] fh: 33.75 kHz, fv: 60 Hz [1035/60i] fh: 27.00 kHz, fv: 48 Hz [1080/24sF] fh: 15.63 kHz, fv: 50 Hz [576i (625i)] fh: 33.75 kHz, fv: 60 Hz [1080 (1125)/60i] fh: 33.75 kHz, fv: 30 Hz [1080/30p] fh: 31.25 kHz, fv: 50 Hz [576p (625p)] fh: 28.13 kHz, fv: 50 Hz [1080 (1125)/50i] fh: 67.50 kHz, fv: 60 Hz [1080/60p] fh: 45.00 kHz, fv: 60 Hz [720 (750)/60p] fh: 28.13 kHz, fv: 25 Hz [1080/25p] fh: 56.25 kHz, fv: 50 Hz [1080/50p] fh: 15.75 kHz, fv: 60 Hz [NTSC/NTSC4.43/PAL-M/PAL60], fh: 15.63 kHz, fv: 50 Hz [PAL/PAL-N/SECAM]
Optical axis shift	Vertical Horizontal	+50 % (+45 % with the ET-DLE080) from center of screen (powered) ±10 % from center of screen (powered)
Keystone correction range	Vertical: ±40° (±30° with the ET-DLE055/DLE080)	
Installation	Ceiling/floor, front/rear	
Terminals	DVI-D IN HDMI IN RGB 1 IN RGB 2 IN VIDEO IN S-VIDEO IN SERIAL IN SERIAL OUT REMOTE 1 IN REMOTE 1 OUT REMOTE 2 IN LAN	DVI-D 24-pin × 1 (DVI 1.0 compliant, compatible with HDCP, compatible with single link only) HDMI 19-pin × 1 (Deep Color, compatible with HDCP) BNC × 5 (RGB/YPbPr/YCbCr × 1) D-Sub HD 15-pin (female) × 1 (RGB/YPbPr/YCbCr × 1) BNC × 1 (composite video) Mini DIN 4-pin × 1 (S-Video) D-sub 9-pin (female) × 1 for external control (RS-232C compliant) D-sub 9-pin (male) × 1 for link control M3 × 1 for wired remote control M3 × 1 for link control (for wired remote control) D-sub 9-pin (female) × 1 for external control (parallel) RJ-45 × 1 (for network connection, 10Base-T/100Base-TX, compliant with PLink™)
Operating noise*10	39 dB (dual-lamp, LAMP POWER: NORMAL), 35 dB (dual-lamp, LAMP POWER: ECO)	
Cabinet materials	Molded plastic	
Dimensions (W × H × D)	PT-DZ770K PT-DZ770LK	498 × 175*11 × 466 mm (19-19/32 × 6-7/8*11 × 18-11/32 in) (with supplied lens) 498 × 175*11 × 432 mm (19-19/32 × 6-7/8*11 × 17 in) (without lens)
Weight*10	PT-DZ770K PT-DZ770LK	Approximately 16.3 kg (35.9 lbs) (with supplied lens) Approximately 15.4 kg (34.0 lbs) (without lens)
Operating environment	Operating temperature: 0 °C–45 °C (32 °F–113 °F)*5, operating humidity: 20%–80% (no condensation)	
Supplied accessories	Power cord with secure lock, wireless/wired remote control unit, batteries (R6/LR6/AA type × 2), Software CD-ROM (Logo Transfer Software, Multi Projector Monitoring and Control Software)	

Optional accessories

Zoom lens	Ceiling mount bracket
ET-DLE080	ET-PKD56H (for high ceilings)
ET-DLE150	ET-PKD55S (for low ceilings)
ET-DLE250	
ET-DLE350	Replacement lamp unit
ET-DLE450	ET-LAD60A ET-LAD60AW (Twin Pack)
Fixed-focus lens	Replacement filter unit
ET-DLE055	ET-EMF300

Silver models

PT-DZ770S/DZ770LS

Silver models also available upon request.

The specifications are the same as those of the PT-DZ770K and PT-DZ770LK.

- *1 This product is not a medical instrument. Do not use it for actual medical diagnosis.
- *2 The usage environment affects the duration of the filter.
- *3 ET-LAD60A/LAD60AW.
- *4 PT-DW730/DX800/DZ6710/DZ6700/DW6300S/D6000S/D5000S/DZ570/DW530/DX500.
- *5 The operating temperature range is 0 °C to 40 °C (32 °F to 104 °F) when the HIGH ALTITUDE MODE is set to ON (for altitudes from 1,400 m to 2,700 m (4,593 ft to 8,858 ft) above sea level). Also, if the ambient temperature exceeds 40 °C (104 °F) (35 °C (95 °F) in HIGH ALTITUDE MODE) when the projector is being used with LAMP SELECT set to DUAL and LAMP POWER set to HIGH, the light output may be reduced approximately 20% to protect the projector.
- *6 When the STANDBY MODE is set to ECO, network functions such as standby on via LAN are not available. Also, only certain commands can be received for external control using the serial terminal.
- *7 The usage environment affects the lamp replacement cycle.
- *8 Measurement, measuring conditions, and method of notation all comply with ISO 21118 international standards.
- *9 WUXGA resolution is supported only when the signals are compliant with VESA CVT-RB (Coordinated Video Timing-Reduced Blanking).
- *10 Average value. May differ depending on models.
- *11 With legs at shortest position.

Panasonic®

For more information about Panasonic projectors, please visit:
Projector Global Web Site – panasonic.net/avc/projector
Facebook – www.facebook.com/panasonicprojector
YouTube – www.youtube.com/user/PanasonicProjector

Weights and dimensions shown are approximate. Specifications and appearance are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. DLP, DLP logo and DLP Medallion logo are trademarks or registered trademarks of Texas Instruments. The projection distances and throw ratios given in this leaflet are for use only as guidelines. For more detailed information, please consult the dealer from whom you are purchasing the product. The PLink trademark is an application trademark in Japan, the United States, and other countries and regions or registered trademarks. RoomView, Crestron RoomView, and Crestron Connected are trademarks of Crestron Electronics, Inc. AMX is a trademarks of AMX, LLC registered in the U.S. and other countries. All other trademarks are the property of their respective trademark owners. Projection images simulated. © 2012 Panasonic Corporation. All rights reserved.

All information included here is valid as of January 2012.

PT-DZ770PRE1 Printed in Japan.