Stunning Colors and Highly Flexible Projection

**Vivid Picture Quality with High Brightness**
- Unique lamp drive systems have helped to make the body compact, while providing a high 8,500 lm*1 of brightness.
- Full-HD-ready WUXGA resolution.*2
- The dynamic iris achieves a high contrast ratio of 10,000:1.
- Panasonic’s proprietary Dynamic RGB Booster achieves high image quality with excellent color reproduction and brightness.
- Active 3D projection capability.
- Detail Clarity Processor 3 brings depth and clarity to details.
- Waveform Monitor for easy and precise calibration.
- System Daylight View 2 enhances color perception with no need to turn off the lights.
- The DICOM Simulation mode.*3
- 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 optical block keeps images crisp and vivid by preventing dust entry.
- A new cooling mechanism with a heat dissipating block utilizing a heat pipe.
- 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.
- New lamp and new drive system improve reliability and achieve long life.
- Lamp replacement cycle of up to 3,000 hours.*5
- Easy lamp replacement from the rear.
- Optional Smoke-Resistant Filter ET-SFD120 available.

**System Integration Flexibility**
- DIGITAL LINK allows HDMI, uncompressed HD videos, audio, and control signals through a single Cat5e/6 LAN cable.
- Compatible with optional ET-YFB100G or other switches.*6
- The Geometric Adjustment function.*7
- Optional “Geometry Manager Pro Ver. 1.1” for more flexible geometric adjustment and modified masking functions.*7
- The Multi-Screen Support System: Edge blending, color matching and multi-screen processor.
- Flexible vertical 360 degree installation, lens-centered design, horizontal/vertical-lens shift and a wide range of optional lenses.
- Portrait mode projection available later on.*8
- Mechanical shutter with fade in/out effect.
- The Multi-Unit Brightness Control function.
- Abundant terminals, including SDI (3G support)*7, DVI-D, HDMI and 3D timing signal in/out.

---

*1 10,000 lm for the PT-DX100.
*2 For the PT-DZ870 only.
*3 This product is not a medical instrument. Do not use it for actual medical diagnosis.
*4 The temperature range is 0 °C to 40 °C (32 °F to 104 °F) when the HIGH ALTITUDE MODE is set to OFF (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 NORMAL, the light output may be reduced approximately 20% to protect the projector.
*5 With the LAMP POWER set to NORMAL mode. The usage environment affects the lamp replacement cycle.
*6 Crestron’s DigitalMedia 8G+™, Extron’s XTP Systems and AMX’s Enova DX.
*7 For the PT-DZ870 only.
*8 Optional lamp units for portrait projection required.
**Specifications (Tentative)**

**Model**
- PT-DZ70/DZ70L
- PT-DW830/DW830L
- PT-DX100/DX100L

**Power supply**
120 V–240 V AC, 12 A, 50/60 Hz

**Power consumption**
1,130 W (1,180 VA at 120 V)
1,110 W (1,160 VA at 120 V)
(0.3 W with STANDBY MODE set to Eco, **4** W with STANDBY MODE set to NORMAL. Both with fan stopped.)

**DLP™ chip**
- Panel size Display method
  - 17.0 mm (0.67 in) diagonal (16:10)
  - DLP™ projection system
  - 2,304,000 (1,920 × 2,010) pixels

**Lens**
- PT-DZ870/DW830/DX100
  - Powered zoom (1.7–2.4:1), powered focus F 1.7–2.1
  - 25.6 – 35.7 mm

**Optional accessories**
- Optional powered zoom/focus lenses and fixed-focus lens

**Lamp**
- 420 W UHM lamp

**Screen size (diagonal)**
1.27–15.24 m (50–600 in) **16:10**
1.27–15.24 m (50–600 in) **4:3**
1.24–15.24 m (50–600 in) **16:9**

**Brightness**
8,500 lm (dual-lamp, LAMP MODE: NORMAL)
10,000 lm (dual-lamp, LAMP MODE: NORMAL)

**Contrast**
90 %

**Resolution**
1,920 × 1,200 pixels
1,280 × 800 pixels
1,024 × 768 pixels

**Scanning frequency**
- SSI: 50,75 Hz [1080/24p]
- SSI: 59.94, 60 Hz [1080/50p]
- SSI: 50,75 Hz [1080/50i]
- SSI: 60 Hz [1080/60p]
- SSI: 50,75 Hz [1080/24p]
- SSI: 59.94, 60 Hz [1080/50i]
- SSI: 60 Hz [1080/60p]
- SSI: 50,75 Hz [1080/24p]
- SSI: 59.94, 60 Hz [1080/50i]
- SSI: 60 Hz [1080/60p]

**Power supply**
- 120 V–240 V AC, 12 A, 50/60 Hz

**Weight**
Approx. 19.2 kg (42.3 lbs) (without lens)
Approx. 20.0 kg (44.1 lbs) (with supplied lens)

**Dimensions (W × H × D)**
- PT-DZ70/DW830/DX100: 498 × 200**1**/6 × 556 mm (19-19/32 × 7-7/8 × 22-3/16 in) (with supplied lens)
- PT-DZ870/DW830/DX100: 498 × 200**1**/6 × 556 mm (19-19/32 × 7-7/8 × 22-3/16 in) (without lens)

**Optional accessories**
- Power cord with secure lock, wireless/wired remote control unit, batteries (R6/LR6/AA type x 2), software CD-ROM (Logo Transfer Software, Multi Projector Monitoring & Control Software)

**Weights and dimensions** 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. BLF, DLP logos and DLP Metabellon logos are trademarks or registered trademarks of Texas Instruments. The product and the data sheets (including supplementary data sheets) do not necessarily reflect the current state of the production equipment. All other trademarks are the property of their respective owners. **For more information about Panasonic projectors, please visit:**

**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/panasonicProjector

**Note**
- Specifications are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. BLF, DLP logos and DLP Metabellon logos are trademarks or registered trademarks of Texas Instruments.
- All other trademarks are the property of their respective owners. Projection images simulated. © 2013 Panasonic Corporation. All rights reserved.

---

**Weights and dimensions** 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. BLF, DLP logos and DLP Metabellon logos are trademarks or registered trademarks of Texas Instruments. The product and the data sheets (including supplementary data sheets) do not necessarily reflect the current state of the production equipment. All other trademarks are the property of their respective owners. **For more information about Panasonic projectors, please visit:**

**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/panasonicProjector

**Note**
- Specifications are subject to change without notice. Product availability differs depending on region and country. This product may be subject to export control regulations. BLF, DLP logos and DLP Metabellon logos are trademarks or registered trademarks of Texas Instruments. The product and the data sheets (including supplementary data sheets) do not necessarily reflect the current state of the production equipment. All other trademarks are the property of their respective owners. Projection images simulated. © 2013 Panasonic Corporation. All rights reserved.