PT-RZ970/770/660 Series
1-Chip DLP™ Projectors
Available from Summer 2016

Extraordinary SOLID SHINE Power from Compact and Versatile 1-Chip DLP™ Laser Projectors

Radiant Picture Quality and Long-Lasting Reliability
- Up to 10,400 lm*1 Brightness in a Compact and Lightweight Design
- 1-Chip DLP™ Imaging and SOLID SHINE Laser Technology Deliver Superior White-balance and Color Accuracy
- Dynamic Light Control for 10,000:1† Contrast
- Consistent Long-Lasting Picture Quality
- Detail Clarity Processor 3 Improves Image Clarity, Detail, and Depth
- System Daylight View 3 Ensures Crisp Images for Projection Mapping and Brightly Lit Indoor Environments

Consistently Stable Performance
- Filterless Dust-Resistant Optical Drive
- Up to 20,000 hours of Continuous Maintenance-free Operation*3
- Selectable Operational Modes Extend Service Life to Up to 10 Years*4
- Dual-Drive Laser Optical Engine Ensures Reliable 24/7 Operation with Light-source Failover Protection Circuitry
- Efficient Cooling System for Stable Operation and Low 35 dB*5 Noise Levels
- Backup Input Setting Maintains Image Display for Mission-Critical Applications

Easy System Integration and Installation Flexibility
- Contrast Sync and Shutter Sync Function for Multiple-unit Projection
- Free 360-degree Installation (Vertical and Horizontal)
- DIGITAL LINK Supports Transmission of Uncompressed Full HD Video, Audio, and Control Commands Through a Single CAT 5e or Higher STP Cable for Distances of Up to 150 m (492 ft)*6
- Quick Start*7/Quick Off with No Cool-down or Warm-up Required
- Compatible with Art-Net Lighting-control Protocol
- Geometric Adjustment for Curved and Specially Shaped Screens
- Geometry Manager Pro® and Optional Upgrade Kit (ET-UK20 Series)*9

PT-RZ970/770/660 Series

<table>
<thead>
<tr>
<th></th>
<th>PT-RZ970</th>
<th>PT-RZ770</th>
<th>PT-RZ660</th>
<th>PT-RW930</th>
<th>PT-RW730</th>
<th>PT-RW620</th>
<th>PT-RX110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resolution</td>
<td>WUXGA</td>
<td>WXGA</td>
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<td>WXGA</td>
<td>WXGA</td>
<td>XGA</td>
</tr>
<tr>
<td>Brightness</td>
<td>10,000 lm (Center)</td>
<td>9,400 lm*</td>
<td>7,200 lm (Center)</td>
<td>7,000 lm*</td>
<td>10,000 lm (Center)</td>
<td>9,400 lm*</td>
<td>7,200 lm (Center)</td>
</tr>
<tr>
<td>Contrast</td>
<td>10,000:1</td>
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</tr>
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</table>

*1 PT-RZ970 and PT-RW930 features 10,000 lm (Center), PT-RX110 10,400 lm (Center), PT-RZ770 and PT-RW730 7,200 lm (Center), PT-RZ660 and PT-RW620 6,200 lm (Center) of brightness. *2 With Dynamic Contrast Mode set to 3. *3 At 20,000 hours, projector brightness decreases to about half of its original level (Dynamic Contrast Mode: 3, Image Mode: Dynamic). Panasonic recommends cleaning or checkup at point of purchase after 20,000 hours (approximately). Light source lifetime may be reduced depending on environmental conditions. Replacement of parts other than the light source may be required in a shorter period. *4 With Operating Mode set to Long Life 3, 24 hours/day x 3,650 days/year x 10 years = 87,600 hours. Replacement of parts other than the light source may be required in a shorter period. *5 PT-RZ660/RW620: 35 dB (tentative), PT-RZ770/RW730: 37 dB (tentative), PT-RZ970/RW930/RX110: 41 dB. *6 150 m (492 ft) transmission available only in Long Reach Mode with optional ET-YFB200G DIGITAL LINK Switcher for signals up to 1080/60p (dot-clock frequency: 148.5 MHz). Transmission distance is up to 100 m (328 ft) in other cases. *7 When Quick Startup is activated, projection starts about one second after the power button is pressed. Quick Startup mode resets to OFF if the projector has not been switched on for more than 90 minutes to reduce power consumption. *8 Geometry Manager Pro software is available only with PT-RZ970/RZ770/RZ660. *9 ET-UK20 Series is available only with PT-RZ970/RZ770/RZ660.
### Specifications (Tentative)

#### Model
- PT-RZ970/PT-RW930/PT-RX110
- PT-RZ660/PT-RW620
- PT-RZ770/PT-RW730/PT-RX110

#### Power supply
- AC 100–240 V, 50/60 Hz

#### Power consumption
- Operating temperature 25 °C (77 °F), altitude 700 m (2297 ft.), 100% humidity / 85% humidity. *1
- AC 100–240 V, 50/60 Hz

#### DLP™ chip
- Panel size: 17.0 mm x 16.6 mm (diagonal: horizontal 10:1 aspect ratio)
- 16.6 mm x 16.6 mm (diagonal: horizontal 16:10 aspect ratio)
- 17.0 mm x 16.6 mm (diagonal: horizontal 16:10 aspect ratio)
- 17.4 mm x 16.6 mm (diagonal: horizontal 16:9 aspect ratio)

#### Display method
- DLP™ + 1 DLP™ projector system
- Pixels: 2,304,000 (1,920 x 1,200) x 1 pixels
- 1,024,000 (1,280 x 768) pixels
- WQXGA: 2,160 x 1,440

#### Lens
- Power zoom (focal ratio: 1.7–2.4), powered focus: F 1.7–1.9 (f 25.6–35.7 mm), horizontal: ±40 ° (±15 ° with ET-DLE085/DLE055), vertical: ±40 ° (±30 ° with ET-DLE085/DLE055, +5 ° with ET-DLE030)
- Linear keystone correction range: vertical: ±40 ° (*2), horizontal: ±15 ° (cannot be operated with the ET-DLE030)

#### Light source
- PT-RZ970: 10,000 lm (Center) / 9,400 lm
- PT-RZ970: 7,200 lm (Center) / 7,000 lm
- PT-RZ770: 7,200 lm (Center) / 6,800 lm
- PT-RZ660: 6,800 lm (Center) / 6,400 lm
- PT-RZ970: 10,000 lm
- PT-RZ970: 7,200 lm
- PT-RZ660: 6,800 lm

#### Dimensions (Tentative)

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<td>Resolution</td>
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<td>Dimensions</td>
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#### Optional Accessories
- Fixed Focus Lens ET-DLE300
- Zoom Lens ET-DLE250 / ET-DLE250S / ET-DLE500 / ET-DLE500S
- Geometry Manager Pro Software Upgrade Kit (PT-RZ970/PT-RZ770/PT-RX110 Only)
- ET-UK20 Series
- Early Warning Software ET-SWA100 Series
- DIGITAL LINK Switcher ET-YB100G
- Digital Interface Box ET-YB100S
- Ceiling Mount Bracket ET-PKD310B (6-axis, for high ceiling)
- ET-PKD310S (for low ceiling)
- Projector Mount Bracket ET-PKD310B

#### Warnings and Disclaimers
- All information included here is valid as of June 2016.
- PT-RZ970/PT-RW930/PT-RX110 Printed in Japan.

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

*1 Measurement, conditions, and method of installation all comply with ISO 21118 international standards. *2 Only compatible with the fan frequency of 27 MHz (dual fan operation signal). *3 WEGA analysis is supported only when the signals are compliant with the WEGA-CCTV-IB (Conditional View Timing Reduced Blanking). *4 The optical axis shift is not supported on the PT-DLE400S, and the optical axis is fixed with the ET-DLE400S. *5 With an initial offset position, the average value may differ depending on the actual screen. *6 When used in locations from 0 m to 2,700 m (0 ft to 8,858 ft) above sea level, the light output may be reduced to project the picture. *7 Geometry Manager Pro software is available only with PT-RZ970/PT-RZ770/PT-RX110. *8 PT-EK202 Series is available only with PT-RZ970/PT-RZ770/PT-RX110.