The LMD-DM30 is a 3MP diagnostics display with high resolution designed for accurate display of monochrome images such as CR, DR, CT, MRI, Nuclear Medicine, Mammography and Ultrasound. The LMD-DM30 is equipped with a 10-bit signal processor and 1536 x 2048 pixel resolution for producing outstanding diagnostic image quality. Display complies with medical standards and can be used in portrait and landscape modes. Loaded with a high luminance, high contrast LCD panel, it provides a luminance uniformity compensation feature and a capability to display 1024 shades of gray simultaneously. Super-high resolution of Independent Sub-pixel Drive enables the pixel pitch of one-third in the sub-pixel chain direction, providing high-quality image reproduction and up to 1276 shades of gray simultaneously. With full DICOM GSDF Part 14 conformance, calibration, and remote monitoring and maintenance capabilities, the LMD-DM30 is an ideal choice for outpatient imaging centers, hospital radiology department PACS, including CR and DR.

Features:

- 3MP 20.8" Diagnostic display with a pixel pitch of 207 µm
- Ideal for CR, DR, CT, MRI, and Ultrasound
- Ideal for Mammography when Independent Sub-pixel Drive is used
- Advanced image quality with less degradation
- Viewing Angle: 170°/170°
- Pivot function for fast drawing in portrait orientation
- Automatic detection of LCD panel orientation by gravitation sensor
- Remote grayscale check and remote calibration functions
- 5 Year Advanced Exchange Program (AE Program)
- 48-hour turnaround on replacement product
## LMD-DM30 Specifications

**LCD panel**
- a-Si TFT Active Matrix LCD (B&W)

**Effective Picture Size**
- Approx. 16.68 x 12.51 in (423.9 x 318 mm) (W/H, Diagonal)

**Size**
- 20.8 in (528.32 mm)

**Viewing angle (H, V)**
- 85°/85°/85°/85° (typical) (up/down/left/right contrast > 10:1)

### Resolution

<table>
<thead>
<tr>
<th>Mode</th>
<th>Resolution</th>
<th>Pixel pitch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Portrait</td>
<td>3MP (1536 x 2048)</td>
<td>Normal: 207 μm pitch</td>
</tr>
<tr>
<td>Landscape</td>
<td>3MP (2048 x 1536)</td>
<td>Independent Sub-pixel Drive ON: 69 μm pitch</td>
</tr>
</tbody>
</table>

### Pixel pitch
- Normal: 207 μm pitch
- Independent Sub-pixel Drive ON: 69 μm pitch

### Aspect
- Landscape: 4:3
- Portrait: 3:4

**Pixel efficiency**
- 99.99%

### Number of Grayscale
- 256 out of 12241 shades of gray
- 1024 shades of gray (DisplayPort 10-bit input)
- 2048 simultaneous shades of gray
- 1276 shades of gray with Independent Sub-pixel Drive
- Maximum luminance: 1000 cd/m² (panel typical)
- Contrast ratio: 900:1 (typical)
- Backlight: CCFL
- Mounting standard: VESA (100 mm)
- Video input: DVI-D Dual Link/DisplayPort (per display)
- Power: AC 100–240V 50/60 Hz
- Power consumption: 90 W
- Mass: Approx. 25 lb 9.2 oz (11.6 kg)

### Operating conditions
- Temperature: 41°F to 104°F (5°C to 40°C)
- Recommended temperature: 68°F to 86°F (20°C to 30°C)
- Humidity: 30% to 80%
- Pressure: 700 hPa to 1060 hPa (Operating)

### Storage and transport conditions
- Temperature: -4°F to 140°F (-20°C to 60°C)
- Humidity: 10% to 85%
- Pressure: 266 hPa to 1060 hPa (Storage)

### Dimensions (W x H x D)

<table>
<thead>
<tr>
<th>Mode</th>
<th>Dimensions (W x H x D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscape</td>
<td>18.66 x 18.44 / 20.86 x 8.66 in (474 x 468.4 / 529.9 x 220 mm)</td>
</tr>
<tr>
<td>Portrait</td>
<td>14.44 x 20.54 / 22.96 x 8.66 in (367 x 521.9 / 583.4 x 220 mm)</td>
</tr>
</tbody>
</table>

### Safety Compliance
- U.S.A
  - FDA 510 (k) Clearance for General Imaging
  - FDA 510 (k) Clearance when used with Independent Sub-pixel Drive for Mammography
- Canada
  - No60601-1, Class B Digital Apparatus
- China
  - GB49493 (IEC60950)+GB9254 (CISPR22), GB17625.1 (IEC61000-3-2)

### Supplied Accessories
- AC power cord, DVI cable (Dual link), USB cable, CD-ROM

### Optional Accessories
- LMD-KT10 Calibration Kit / LMD-SN10 Display Network Manager

### Warranty
- 5 Year Advanced Exchange Program

Limited Product Warranty also includes a 5 year Advanced Exchange Program ("AE Program"). For additional terms and conditions of the Advanced Exchange policy, visit www.sony.com/professionalservices/warranty/md-ae

For the full Sony Standard Limited Product Warranty, visit www.sony.com/professionalservices/warranty

Independent Sub-pixel Drive technology is the property of, and developed by, Totoku Electric Co., Ltd.

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Caution: Federal (USA) law restricts this device to sale by or on the order of a physician or other appropriately licensed medical professional.

Caution: See product labeling for indications, contraindications, warnings, cautions and directions for use.