FDX4343R & FDX3543RP
FLAT PANEL DETECTORS

Excellent Sensitivity & Resolution
• CsI:TI and direct vapor deposition technology delivers higher sensitivity and better resolution
• Reflective coating on CsI:TI screen delivers excellent DQE (70%) and low noise

Excellent Image Quality
• Captures raw image with low-noise
• Images have shorter lag time with improved refresh function, suitable for radiographic double exposure

Excellent Reliability
• Using Toshiba’s technology and CsI:TI screen
• Use of unique moisture-proof sealing for the CsI:TI screen protects the panel from degradation and makes it highly reliable
## Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>17” x 17”</th>
<th>14” x 17”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Application</td>
<td>General radiography</td>
<td></td>
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<tr>
<td>Scintillator</td>
<td>CsI: TI (direct vapor deposition) + reflective coating</td>
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<tr>
<td>Pixel Pitch</td>
<td>143x143μm</td>
<td></td>
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<tr>
<td>Output data</td>
<td>16 bit grayscale tiff</td>
<td></td>
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<tr>
<td>Image Resolution</td>
<td>3.7 LP/mm</td>
<td></td>
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<tr>
<td>MTF (2 lp/mm)</td>
<td>36% typical</td>
<td></td>
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<tr>
<td>DOE</td>
<td>70% typical</td>
<td></td>
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<tr>
<td>Power (Voltage / Frequency)</td>
<td>AC100-240V 50/60Hz</td>
<td></td>
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<tr>
<td>Operating environment</td>
<td>Sensor Unit: 10-35°C, 30-80% RH (non-condensing)</td>
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<tr>
<td>Standard components</td>
<td>Sensor Unit, Power unit, Cables</td>
<td></td>
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<tr>
<td>Certification</td>
<td>IEC60601-1, IEC60601-1-2</td>
<td>MDD93/42 /EEC (CE marking)</td>
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</tbody>
</table>

### Pixel
- 3008 (H) x 3072 (V) (approx. 9.2 million pixels)
- 2448 (H) x 2984 (V) (approx. 7.3 million pixels)

### Image Sizes
- 16.9 (H) x 17.3” (43x43.9cm)
- 13.8 (H) x 16.8” (V) inch (35.0x42.6 cm)

### A/D Conversion
- 14 bit
- 16 bit

### Preview image access time
- Approx. 4 seconds after X-Ray exposure (without image correction)
- Approx. 4 seconds after X-Ray exposure (without image correction)

### Dimensions
- Sensor Unit:
  - 20.16”x19.49”x1.69” (512x495x43mm)
  - 15.12”x18.11”x.59” (384x460x15mm)

### Weight
- 35 lbs. (16 kg)
- 6.6 lbs. (3 kg)