The E24C is a lightweight, portable 24 cm x 30 cm wireless detector with outstanding image quality, offering the compact versatility needed to optimize workflow. The E24C has an internal accelerometer which automatically senses motion and takes the detector in and out of ready mode, extending its battery life. Due to its compact size, weight, and portability, the E24C detector is ideal for small anatomy and pediatric imaging.

**Key Highlights**

**Large Active Imaging Area**
- 24 cm x 30 cm

**Optimized Workflow**

**Ultra-Low Dosage**
- Lower dosage for efficient patient imaging

**EasyConnect Automatic Exposure Detection (AED)**

**Portability**
- Weighing only 3.5 lbs. (1.6 kg)

**Wireless Transfer**
## Technical Specifications

### E24C Wireless Detector

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Detector technology</td>
<td>a-Si</td>
</tr>
<tr>
<td>Scintillator</td>
<td>Cesium Iodide (CsI)</td>
</tr>
<tr>
<td>Active image area</td>
<td>24 cm x 30 cm</td>
</tr>
<tr>
<td>Pixel matrix</td>
<td>1920 x 1560</td>
</tr>
<tr>
<td>Pixel pitch</td>
<td>148 um</td>
</tr>
<tr>
<td>A/D conversion</td>
<td>16 bit</td>
</tr>
<tr>
<td>Image display</td>
<td>3-6 seconds</td>
</tr>
<tr>
<td>Cycle time</td>
<td>9 seconds</td>
</tr>
<tr>
<td>Exposure window</td>
<td>Up to 3.2 seconds</td>
</tr>
<tr>
<td>MTF @ 1.0 LP/mm</td>
<td>61%</td>
</tr>
<tr>
<td>MTF @ 2.0 LP/mm</td>
<td>31%</td>
</tr>
<tr>
<td>MTF @ 3.0 LP/mm</td>
<td>15%</td>
</tr>
<tr>
<td>DQE @ 0.0 LP/mm</td>
<td>66%</td>
</tr>
<tr>
<td>DQE @ 0.5 LP/mm</td>
<td>66%</td>
</tr>
<tr>
<td>DQE @ 1.0 LP/mm</td>
<td>51%</td>
</tr>
<tr>
<td>DQE @ 2.0 LP/mm</td>
<td>39%</td>
</tr>
<tr>
<td>DQE @ 3.0 LP/mm</td>
<td>23%</td>
</tr>
<tr>
<td>Limiting resolution</td>
<td>3.5 LP/mm</td>
</tr>
<tr>
<td>Weight (Battery and detector)</td>
<td>3.5 lbs. (1.6 kg)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>27 cm x 33 cm x 1.55 cm</td>
</tr>
<tr>
<td>Wifi</td>
<td>802.11a/b/g/n, 2.4GHz/5GHz</td>
</tr>
<tr>
<td>Auto Exposure Detection (AED)</td>
<td>Yes</td>
</tr>
<tr>
<td>Drop sensor(s)</td>
<td>Yes, software recorded</td>
</tr>
</tbody>
</table>

### Diagrams

- [Battery Charger Diagram](#)
- [Battery Diagram](#)