**Technical Specifications**

Receptor Type .......................... Amorphous Silicon Technology
Conversion Screen  . . . . . . . Direct Deposit CsI, Detached CsI, DRZ Plus
Pixel Area  Total ................. 42.7 (v) x 35.6 (h) cm (16.8 x 14.0 inch)
 Active ................. 42.4 (v) x 35.3 (h) cm (16.7 x 13.9 inch)
Pixel Matrix  Total .................. 3,072 (v) x 2,560 (h)
 Active .................. 3,052 (v) x 2,540 (h)
Pixel Pitch  ........................................ 139 μm
Limiting Resolution .................. 3.6 lp/mm

**Image Quality**

<table>
<thead>
<tr>
<th></th>
<th>GADOX (typical)</th>
<th>DD/CSI (typical)</th>
</tr>
</thead>
<tbody>
<tr>
<td>DQE @ 0 lp/mm</td>
<td>33%*</td>
<td>70%*</td>
</tr>
<tr>
<td>DQE @ 1 lp/mm</td>
<td>24%*</td>
<td>54%*</td>
</tr>
<tr>
<td>DQE @ 2 lp/mm</td>
<td>15%*</td>
<td>42%*</td>
</tr>
<tr>
<td>DQE @ 3 lp/mm</td>
<td>7%*</td>
<td>26%*</td>
</tr>
<tr>
<td>DQE @ Nyquist</td>
<td>4%*</td>
<td>15%*</td>
</tr>
<tr>
<td>MTF @ 1 lp/mm</td>
<td>53%</td>
<td>57%</td>
</tr>
<tr>
<td>MTF @ 2 lp/mm</td>
<td>20%</td>
<td>27%</td>
</tr>
<tr>
<td>MTF @ 3 lp/mm</td>
<td>9%</td>
<td>13%</td>
</tr>
<tr>
<td>MTF @ Nyquist</td>
<td>5%</td>
<td>10%</td>
</tr>
</tbody>
</table>
Sensitivity 0.412 LSB/nGy 0.825 LSB/nGy

**Power**

- Power Dissipation .................. 30 watts (cont.) 35 watts (max.)
- I/O Interface Box .................. 100 - 240 VAC, 47 - 63 Hz (Up to 9m away from panel)

**Computer Requirements**

- RAM ........................................ 2.00 GB
- CPU ............ Pentium dual core running @ 2.0 GHz or equivalent

**Software**

The software release includes ViVA™, a basic application for image acquisition and viewing on an end-user workstation or laptop running Microsoft® Windows™. The developer's software package includes a “Virtual Command Processor” software interface that performs detector calibration, detector set-up, image acquisition, and image corrections. ViVA™ includes file type translators for .viv, .raw, .jpg, and .bmp file formats. Windows® XP and Windows® 7 (32 bit) compatible.

**Computer Requirements**

RAM ........................................ 2.00 GB
CPU ............ Pentium dual core running @ 2.0 GHz or equivalent

**Power**

- Power Dissipation .................. 30 watts (cont.) 35 watts (max.)
- I/O Interface Box .................. 100 - 240 VAC, 47 - 63 Hz (Up to 9m away from panel)

**Mechanical**

- Weight (includes battery) ............ 8.6 lbs. (3.9 kg)
- Housing Material ......................... Aluminum
- Sensor Protection Material .... Carbon fiber plate and aluminum

**Environmental**

- Shock ................................... High-shock tolerance
- Water ................................... IPX1 Water Resistant
- Temperature Range - Operating (at back cover) 10°C to 35°C (max.)
(Ambient) - Storage -20°C to +70°C
- Humidity - Operating & Storage (non-condensing) . . 10% to 90%
- Atmospheric Pressure - Operating & Storage . . 70 kPa to 106 kPa

**Regulatory**

- U.S. .................................. ANSI/AAMI ES60601-1:2005
- Canada ........................... CAN/CSA C22.2 No. 60601-1:08
- EU ............................... IEC/EN 60601-1:2005

*PaxScan is a Registered Trademark of Varex Imaging Corporation

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**Product Description**

The PaxScan 4336R is the first ruggedized portable X-ray flat panel detector designed for mobile digital radiographic X-ray systems to fit existing 14”x17” standard bucky trays. Based upon the new Gigabit Ethernet interface, images are displayed on a user-supplied workstation.

**Patient Contact**

- Weight Limit
  - Uniform load across entire carbon fiber surface . . . . 150 kg
  - Concentrated 40mm diameter load at the center ........ 100 kg

* Without enclosure
PaxScan® 4336R
Flat Panel Detector

Dimensions are for reference only
Dimensions are in mm [inches]

Denotes Approximate Center of Gravity
Active Area Dimension
Top Surface of Active Area
Hybrid Cable (Approximate Ø 9.5mm)

Note: All Varex Imaging Amorphous Silicon Receptors are designed to be integrated into a complete X-ray system by a qualified system integrator. The system integrator is responsible for obtaining FDA clearance for medical use.

Manufactured by Varex Imaging Corporation
Specifications subject to change without notice.