**Technical Specifications**

- **Receptor Type**: Amorphous Silicon
- **Conversion Screen**: Direct Deposit CsI, DRZ+
- **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 (DRZ+): 3,052 (v) x 2,540 (h); Active (CsI): 3,032 (v) x 2,520 (h)
- **Pixel Pitch**: 139 μm
- **Limiting Resolution**: 3.6 lp/mm

**Image Quality**

- **GADOX (typical)**
  - DQE @ 0 lp/mm: 33%
  - DQE @ 1 lp/mm: 24%
  - DQE @ 2 lp/mm: 15%
  - DQE @ Nyquist: 4%
  - MTF @ 1 lp/mm: 53%
  - MTF @ 2 lp/mm: 20%
  - MTF @ 3 lp/mm: 9%
  - MTF @ Nyquist: 5%
  - Sensitivity: 0.412 LSB/nGy
  - Pixel Noise (1000ms): 7 LSB
  - Memory Effect: 0.005 (@ 60 sec)
- **DD/CSI (typical)**
  - DQE @ 0 lp/mm: 70%
  - DQE @ 1 lp/mm: 54%
  - DQE @ 2 lp/mm: 42%
  - DQE @ Nyquist: 15%
  - MTF @ 1 lp/mm: 57%
  - MTF @ 2 lp/mm: 27%
  - MTF @ 3 lp/mm: 13%
  - MTF @ Nyquist: 10%
  - Sensitivity: 0.825 LSB/nGy
  - Pixel Noise (1000ms): 7 LSB
  - Memory Effect: 0.005 (@ 60 sec)

**Main Functionalities**

- **Cycle Time**:
  - @ 550ms: 6 sec (MSR2, RCT)
  - @ 10 sec (MSR2, SCT)
  - X-ray Window: 250-2200 ms
- **X-ray Window**
  - 250-2200 ms

**Dose Range**

- **Saturation Dose**: 130 μGy
- **Maximum Linear Dose**: 65 μGy
- **NED (max.)**: 0.5 μGy
- **Energy Range**: 40 - 150 kVp
- **Fill Factor**: 64.3%

**Scan Method**: Progressive

**Data Output**: Gigabit Ethernet

**A/D Conversion**: 16-bit

**Exposure Control**

- **Inputs**: Prepare, Expose-Request
- **Outputs**: Expose-OK

**Software**

The software 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 & 64 bit) compatible.

**Computer Requirements**

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

**Power**

- **Power Dissipation**: < 24 watts
- **I/O Interface Box**: 100 - 240 VAC, 47 - 63 Hz

**Mechanical**

- **Weight**
  - DRZ+: 6.8 lbs. (3.1 kg)
  - CsI: 7.3 lbs. (3.3 kg)
- **Housing Material**: Magnesium
- **Sensor Protection Material**: Carbon fiber plate

**Environmental**

- **Shock**: High-shock tolerance
- **Water Resistant**: IPX-1
- **Temperature Range**
  - Operating (at back cover): 10°C to 35°C (max.)
  - 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*
Dimensions are for reference only
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PaxScan® 4336X

Flat Panel Detector

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

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.

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