PaxScan®3024MX
Flat Panel Detector

**Product Description**

The PaxScan 3024MX is a X-ray flat panel detector designed for full-field digital mammography (FFDM) systems. The 3024MX is available with Gigabit Ethernet interface.

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**Technical Specifications**

- **Receptor Type**: Amorphous Silicon Technology
- **Conversion Screen**: CsI
- **Pixel Area**:
  - Total: 29.7 (h) x 23.4 (v) cm (11.7 x 9.2 inch)
  - Active: 29.7 (h) x 23.2 (v) cm (11.7 x 9.1 inch)
- **Pixel Matrix**:
  - Total: 3,584 (h) x 2,816 (v)
  - Active: 3,584 (h) x 2,792 (v)
- **Pixel Pitch**: 83 μm²
- **Limiting Resolution**: 6.0 lp/mm
- **Energy Range**:
  - Standard: 20 - 70 kVp
- **Scan Method**: Progressive
- **A/D Conversion**: 16-bit
- **Frame Rate**: 5 fps (1 x 1)
- **Data Output**: Gigabit Ethernet
- **Exposure Control**:
  - Inputs: Expose-Request
  - Outputs: Expose-OK

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**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.

**Power**

- **Power Dissipation**: 19 watts (cont.)
- **Power Supply/Adaptor**: 100 - 240 VAC, 47 - 63 Hz

**Mechanical**

- **Weight**: 7.94 lbs ±0.55 lbs. (3.6 kg ±0.25 kg)
- **Housing Material**: Aluminum
- **Sensor Protection Material**: Carbon fiber plate and aluminum

**Environmental**

- **Shock Tolerance**: 20G (any direction no power applied)
- **Temperature Range**:
  - Operating (at back cover): 10°C to 35°C (max.)
  - Storage (Ambient): -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 ES60601-1:2012
- **Canada**: CAN/CSA C22.2 No. 60601-1:14
- **EU**: IEC/EN 60601-1:2012

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

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.