## Technical Specifications

- **Receptor Type**: Amorphous Silicon
- **Conversion Screen**: Integral columnar CsI:Tl
- **Pixel Area - Total**: 42.7cm (h) x 42.7cm (v) (16.8 x 16.8 in)
- **Pixel Matrix - Total**: 3,072 (h) x 3,072 (v)
  - **Effective**: 3,032 (h) x 3,032 (v)
- **Pixel Pitch**: 139 \( \mu \)m
- **Limiting Resolution**: 3.6 lp/mm @ 4 fps (1 x 1)

### Image Quality (RQA5) (typical)
- **MTF (1x1)**
  - 1.0 lp/mm: 54%
  - 0 lp/mm, Quantum-limited: 78%
- **DQE (1x1, Quantum-limited)**
  - 6 nGy (3x3)
- **Quantum-limited Dose (2x2)**: 6 nGy (3x3)
- **Energy Range**: 40 - 150 kVp
- **Fill Factor**: 60%
- **Lag**: <3% (first frame)
- **Scan Method**: Progressive
- **Data Output**: Gigabit Ethernet
- **A/D Conversion**: 16-bit
- **Cooling**: Passive
- **Radiation Tolerance**: 2000 Gy (active area)

## Power Requirements

- **Power Dissipation**: 18 watts (cont.)
  - 25 watts (max.)
- **Power Supply/Adaptor**: 100-240 VAC, 50-60 Hz

## Mechanical

- **Weight**: approx. 8.0 kg panel
- **Housing Material**: Aluminum
- **Sensor Protection**: Carbon fiber and aluminum
- **Mounting Provisions**: Blind, threaded mounting holes on the back.

## Image Acquisition Modes (Current)

- **Fluoro Zoom**: 1024 (h) x 1024 (v)
  - 30 fps continuous X-ray, 15 fps pulsed X-ray
  - 2 x 2 binning, FOV 285 x 285 mm
- **RAD**: 3072 (h) x 3072 (v)
  - 4 fps continuous X-ray, 2 fps pulsed X-ray
  - 1 x 1 binning, FOV 427 x 427 mm
- **RF**: 1024 (h) x 1024 (v)
  - 25 fps continuous X-ray, 15 fps pulsed X-ray
  - 3 x 3 binning, FOV 427 x 427 mm

Additional Modes: Consult Varex Imaging

Note: Faster pulsed frame rates are available depending on desired X-ray window

## Environmental

- **Temperature Limit**: 19°C - 58°C (as reported by imager internal sensor)
- **Relative Humidity**: 10 - 90% Non-Condensing
- **Atmospheric Pressure**: 70 kPa - 106 kPa
- **Shock Tolerance**: 20G (any direction no power applied)

## 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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*PaxScan is a Registered Trademark of Varex Imaging Corporation*
PaxScan® 4343DXV
Flat Panel Detector

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.