PaxScan 2520DX-I imagers provide industry leading image quality for industrial and security applications. Varex Imaging’s amorphous silicon-based detectors are the benchmark for radiography in industrial, medical and dental applications.

Amorphous silicon brings key advantages unmatched by other technologies, including:
- radiation hardness > 1 MRad
- widest input energy range
- immunity from single photon events in the substrate
- excellent low dose performance

Varex Imaging’s extensive industrial product line allows the OEM to easily integrate multiple panel sizes. The Virtual CP software interface is common across all the panels and the entire product line is offered with Gigabit Ethernet.

### Technical Specifications

- **Receptor Type**: Amorphous Silicon
- **Conversion Screen**: Direct Deposit CsI, DRZ Plus
- **Pixel Area**
  - Total: 19.5 x 24.4 cm (7.68 x 9.6 in.)
- **Pixel Matrix**
  - Total: 1,536 x 1,920 (1 x 1)
  - 768 x 960 (2 x 2)
- **Pixel Pitch**: 127 µm
- **Limiting Resolution**: >48% @ 1 lp/mm, CsI screen
- **Energy Range**: 40 - 225 kVp
- **Fill Factor**: 57%
- **Image Capture**: Gigabit Ethernet
- **Scan Method**: Progressive
- **A/D Conversion**: 16-bit
- **Frame Rate**: 12.5 fps (1 x 1)
  - 30 fps (2 x 2)
- **Data Output**: Gigabit Ethernet
- **Exposure Control**: Opto Coupled, External Sync, Expose OK

### Software

The software release includes ViVA™, a basic application for image acquisition and viewing on an end-user workstation 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.

### Mechanical

- **Weight**: 9.2 lbs. (4.3 kg)
- **Housing Material**: Aluminum
- **Sensor Protection Material**: Carbon fiber plate (2.5 mm thick) and aluminum

### Environmental

- **Temperature Range - Operating**: 10°C to 35°C (max.)
  - (measured on the back cover)
- **Humidity - Operating & Storage (non-condensing)**
  - 10 to 90%
- **Atmospheric Pressure - Operational & Storage**: 70 kPa to 106 kPa

### Regulatory

- **Canada**: CAN/CSA-C22.2 No. 61010-1
- **U.S.**: UL 61010-1
- **Europe**: EN 61326-1:2013

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Dimensions are for reference only

Dimensions are in mm

Notes:
1. Top surface of Active Area
3. Indicates center of Active Area
4. Input Voltage = 12 to 32V
5. Max Amps = .52A @ 24V
6. Power Dissipation = 12.48W
Detector Characterization Charts in accordance with ASTM E2597-14 Standard Practice for the Manufacturing Characterization of Digital Detector Arrays

NOTE: SMTR, CS and Lag quality numbers all improve with higher frame rate.

Full Resolution - 2pF Gain setting

Aluminum 6061

Inconel 718

Titanium 6Al4V

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