PaxScan® 2530DX Flat Panel Detector

PaxScan 2530DX imagers provide industry leading Cephalometric image quality for dental applications. Varex Imaging’s amorphous silicon based detectors are the gold standard for radiography in medical, dental and industrial applications.

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

Varex Imaging’s extensive dental 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 24.9 x 30.2 cm (9.8 x 11.9 in.)
- Pixel Matrix: Total 1792 x 2176 (1 x 1)
- Pixel Pitch: 139 μm²
- Limiting Resolution: 3.60 lp/mm
- MTF, X-Ray: >48% @ 1 lp/mm (1x1), CSI
- Energy Range: 40 - 160 kVp
- Fill Factor: 64.3%
- Image Capture: Pleora Gigabit
- Scan Method: Progressive
- A/D Conversion: 16-bits
- Frame Rate: 9 FPS (1x1) 32 FPS (2x2)
- Exposure Control: User Sync input, Expose OK output

**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: 9.0 lbs ±0.25 lbs
- Housing Material: Aluminum
- Input Filtration: Carbon fiber plate (2.0 mm thick) and aluminum (0.05mm thick)

**Environmental**
- Temperature Range - Operating: 10°C to 35°C (max.)
- Humidity - Operating & Storage: 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

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Dimensions are for reference only

Dimensions are in mm

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.