



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 μm ²
Limiting Resolution	3.60 lp/mm
MTF, X-Ray	>48% @ 1lp/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

Power

Power Dissipation	16.5 Watts nominal power consumption 12 to 32V input range, 15 V typical 3A inrush current at power up with 15 V supply
Power Supply/Mains	100 - 240 VAC, 47 - 63 Hz

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.)
(Ambient) - 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

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Dimensions are for reference only

Dimensions are in mm

