



PaxScan 1508DXT imagers provide industry leading CBCT and Panoramic image quality for mid-size dental applications. Varex Imaging’s amorphous silicon based detectors are the gold standard for CBCT 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
- proven 3-D soft-tissue capability

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	14.6 x 8.0 cm (5.8 x 3.15 in.)
Pixel Matrix Total	1152 x 640 (1 x 1) 576 x 320 (2 x 2)
Pixel Pitch	127 µm ²
Limiting Resolution	3.94 lp/mm
MTF, X-Ray	>48% @ 1 lp/mm (1 x 1), CsI screen
Energy Range	40 -160 kVp
Fill Factor	57%
Image Capture	Pleora Gigabit
Scan Method	Progressive
A/D Conversion	16-bit
Frame Rate (Workstation dependent)	45 fps (1 x 1) 85 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.

Power

Power Dissipation

- 11 Watts (nominal power consumption)
- 11 to 35V input range, 15V typical

Power Supply/Mains

- 100 - 240 VAC, 47 - 63 Hz

Mechanical

Weight

- 3.62 lbs. (1.64 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.)
- (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

The following dimensions do not
 include the snap-on interface card.

