



PaxScan 1313DX 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 Csl, DRZ Plus
Pixel Area Total	13.0 x 13.0 cm (5.12 x 5.12 in.)
Pixel Matrix Total	1024 x 1,024 (1 x 1) 512 x 512 (2 x 2)
Pixel Pitch	127 µm ²
Limiting Resolution	3.94 lp/mm
MTF, X-Ray	>48% @ 1lp/mm (1 x 1), Csl screen
Energy Range	40 -160 kVp* (*capable of 225 kV with additional tungsten shielding)
Fill Factor	57%
Image Capture	Pleora Gigabit
Scan Method	Progressive
A/D Conversion	16-bit
Frame Rate (Workstation dependent)	30 fps (1 x 1) 60 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

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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

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

Power Supply/Mains

100 - 240 VAC, 47 - 63 Hz

Mechanical

Weight

3.76 lbs. (1.71 kg)

Housing Material

Aluminum

Sensor Protection Material

Carbon fiber plate (2.5 mm thick) and aluminum
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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. ... ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012

Canada

CAN/CSA C22.2 No. 60601-1:14

EU

IEC 60601-1:2005 + A1:2012
EN 60601-1:2006+A1:2013 +A12:2014

Dimensions are for reference only
Dimensions are in mm [inches]

