

Flat Panel Detector



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
Pixel Matrix Total
Pixel Pitch
Limiting Resolution
MTF, X-Ray >48% @ 1 lp/mm (1 x 1), Csl screen
Energy Range
Fill Factor
Image Capture Pleora Gigabit
Scan Method Progressive
A/D Conversion
Frame Rate (Workstation dependent)
Data Output Gigabit Ethernet
Exposure Control Opto Coupled, External Sync, Expose OK

Software

The software release includes ViVA $^{\text{TM}}$, a basic application for image acquisition and viewing on an end-user workstation running Microsoft $^{\text{SM}}$ Windows $^{\text{TM}}$. 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 $^{\text{TM}}$ includes file type translators for .viv, .raw, .jpg, and .bmp file formats.

Power

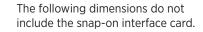
<u>Power</u>
Power Dissipation 11 Watts (nominal power consumption) 11 to 35V input range, 15V typical
Power Supply/Mains
<u>Mechanical</u>
Weight
Housing Material Aluminum
Sensor Protection Material
Carbon fiber plate (2.5 mm thick) and aluminum
<u>Environmental</u>
Temperature Range - Operating
Humidity - Operating & Storage (non-condensing) 10% to 90%
Atmospheric Pressure - Operating & Storage 70 kPa to 106 kPa
Regulatory
U.S ANSI/AAMI ES60601-1:2005

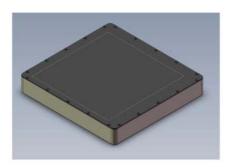
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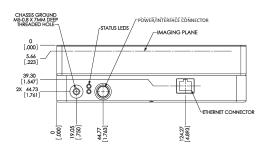


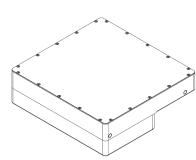
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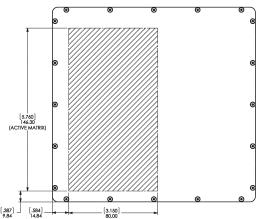
Dimensions are for reference only Dimensions are in mm

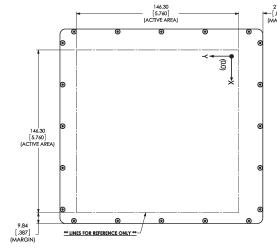


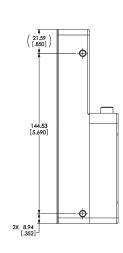


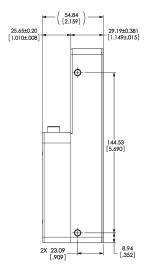


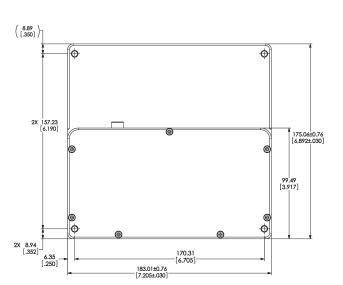














Salt Lake City, UT Charleston, SC 1-801-972-5000 1-843-767-3005

www.vareximaging.com

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.

Manufactured by Varex Imaging Corporation

Specifications subject to change without notice.