

Flat Panel Detector



PaxScan 1313DXT 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
Active Pixel Matrix for Csl
Pixel Pitch
Limiting Resolution
MTF, X-Ray
Energy Range
Fill Factor
Image Capture Pleora Gigabit
Scan Method Progressive
A/D Conversion
Frame Rate (Workstation dependent)
Data Output
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
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
(Ambient) - Storage20°C to +70°C
(Ambient) - Storage20°C to +70°C Humidity - Operating & Storage (non-condensing) 10% to 90%
(Ambient) - Storage20°C to +70°C Humidity - Operating & Storage (non-condensing) 10% to 90% Atmospheric Pressure - Operating & Storage 70 kPa to 106 kPa

EU IEC/EN 60601-1:2005

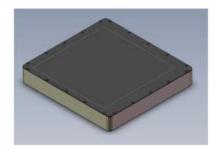
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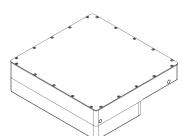


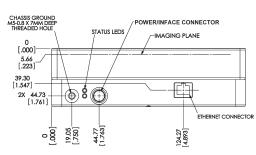
Flat Panel Detector

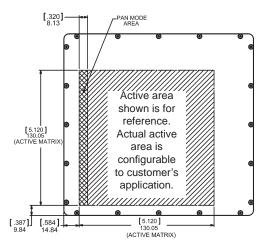
Dimensions are for reference only Dimensions are in mm

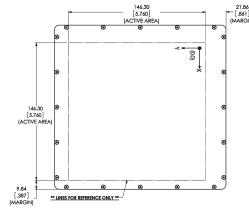
The following dimensions do not include the snap-on interface card.

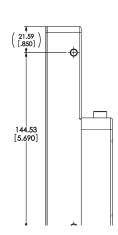


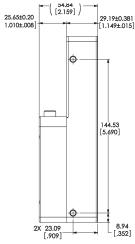


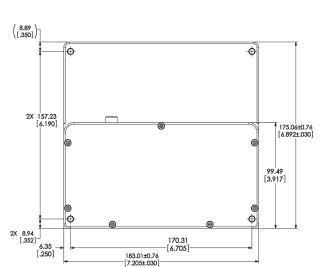














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Manufactured by Varex Imaging Corporation

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.