

Flat Panel Detector



PaxScan 1515DXT 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 Specification

Recentor Type	Amorphous Silicon
Conversion Screen	Direct Deposit Csl, DRZ Plus
Pixel Area Total	14.6 x 14.6 cm (5.8 x 5.8 in.)
Pixel Matrix Total	
Pixel Pitch	127 μm²
Limiting Resolution	3.94 lp/mm
MTF, X-Ray	
Energy Range	40 - 160 kVp
Fill Factor	57%
Image Capture	Pleora Gigabit
Scan Method	Progressive
A/D Conversion	16-bit
Frame Rate (Workstatio	n dependent)
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 Dissipation 11 Watts nominal power consumption)

Power

11 to 35V input range, 15V typical
Power Supply/Mains
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
Humidity - Operating & Storage (non-condensing) 10% to 90%
Atmospheric Pressure - Operating & Storage 70 kPa to 106 kPa
Regulatory
U.S
Canada CAN/CSA C22.2 No. 60601-1:08

EU IEC/EN 60601-1:2005

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Dimensions are for reference only

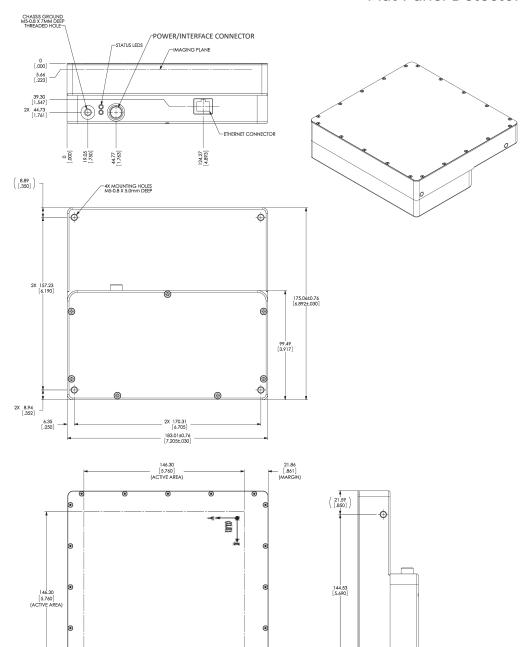
Dimensions are in mm

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

25.65±0.20 [1.010±.008 (54.84 [2.159])

0

29.19±0.381 [1.149±.015] 2X MOUNTING HOLES M5-0.8 X 5.0mm DEEP





1-801-972-5000

For a complete listing of our global offices, visit www.vareximaging.com

Salt Lake City, UT

Manufactured by Varex Imaging Corporation

2X 8.94 [.352]

2X MOUNTING HOLES M5-0.8 X 5.0mm DEEP

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.

** LINES FOR REFERENCE ONLY *