

Flat Panel Detector



PaxScan 2530C imagers provide industry leading Cephalometric image quality for dental applications. Varex Imaging's amorphous silicon based detectors are the gold standard for radiography 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

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
Conversion Screen
Pixel Area Total 24.9 x 30.2 cm (9.8 x 11.9 in.)
Pixel Matrix Total
Pixel Pitch
Limiting Resolution 3.60 lp/mm
MTF, X-Ray>54% @ 1 lp/mm (1x1), DRZ+
Energy Range
Fill Factor
Image Capture
Scan Method Progressive
A/D Conversion
Frame Rate
Exposure Control User Sync input, Expose OK output
<u>Power</u>
Power Dissipation 16.5 Watts nominal power consumption 12 to 32V input range, 15 V typical 3A inrush current at power up with 15 V supply
Power Supply/Mains 100 - 240 VAC, 47 - 63 Hz

Receptor Type Amorphous Silicon

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.

Mechanical

Weight	bs
Housing Material Aluminu	m
Input X-ray Window Carbon fiber plate (2.0 mm thic	k)
and aluminum (0.05mm thi	ck)

Environmental

Temperature Range - Operating 10°C to 35°C (max.) (Ambient) - Storage20°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

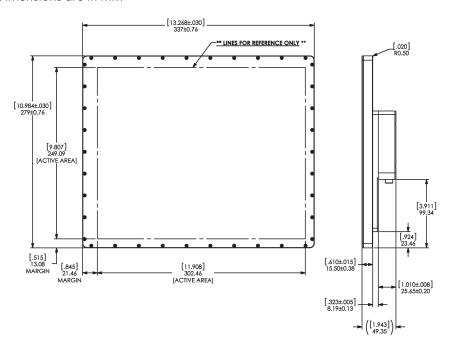
^{*}PaxScan is a Registered Trademark of Varex Imaging Corporation



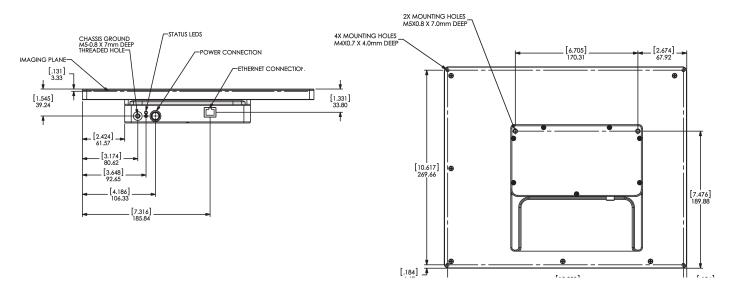
Flat Panel Detector

Dimensions are for reference only

Dimensions are in mm



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





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

www.vareximaging.com

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.