PaxScan 1308DXT 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	13.0 x 8.13 cm (5.12 x 3.2 in.)
Pixel Matrix Total	1024 x 640 (1 x 1)
	512 x 320 (2 x 2)
Active Pixel Matrix for CsI	1014 x 640 (1 x 1)
	508 x 320 (2 x 2)
Pixel Pitch	127 μm^2
Limiting Resolution	3.94 lp/mm
MTF, X-Ray	>48% @ 1 lp/mm (1 x 1), CsI screen
Energy Range	40 -160 kVp
Fill Factor	57%
Image Capture	Pleora Gigabit
Scan Method	Progressive
A/D Conversion	16-bit
Frame Rate (Workstation dependent)	45 fps (1 x 1)
	85 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 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	11 Watts (nominal power consumption)
	11 to 35V input range, 15V typical
Power Supply/Mains	100 - 240 VAC, 47 - 63 Hz

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	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.	ANSI/AAMI ES60601-1:2005
Canada	CAN/CSA C22.2 No. 60601-1:08
EU	IEC/EN 60601-1:2005

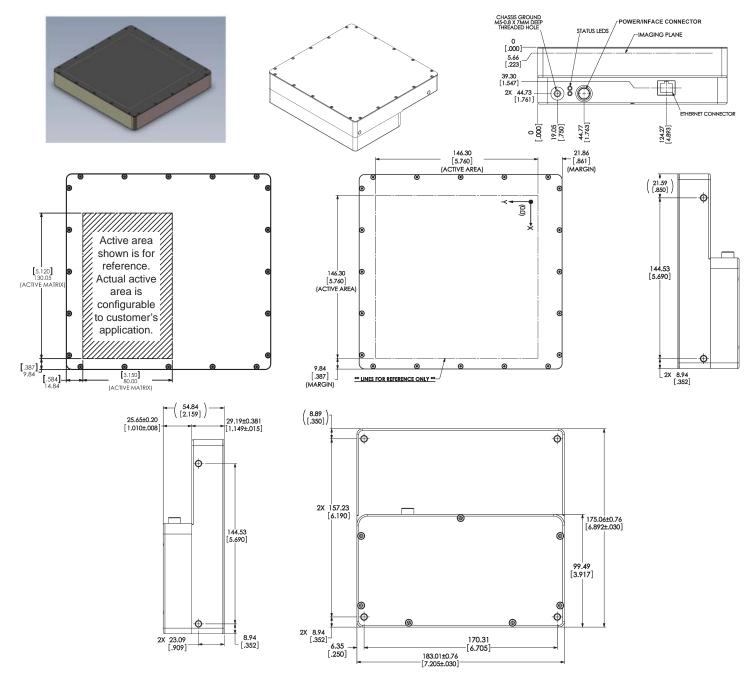®PaxScan is a Registered Trademark of Varex Imaging Corporation

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Dimensions are for reference only

Dimensions are in mm

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

Active area shown is for reference. Actual active area is configurable to customer's application.

** LINES FOR REFERENCE ONLY **

Manufactured by Varex Imaging Corporation

Specifications subject to change without notice.

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