

PaxScan 1313DX imagers provide industry leading CBCT and Panoramic image quality for mid-size dental applications. Varian'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

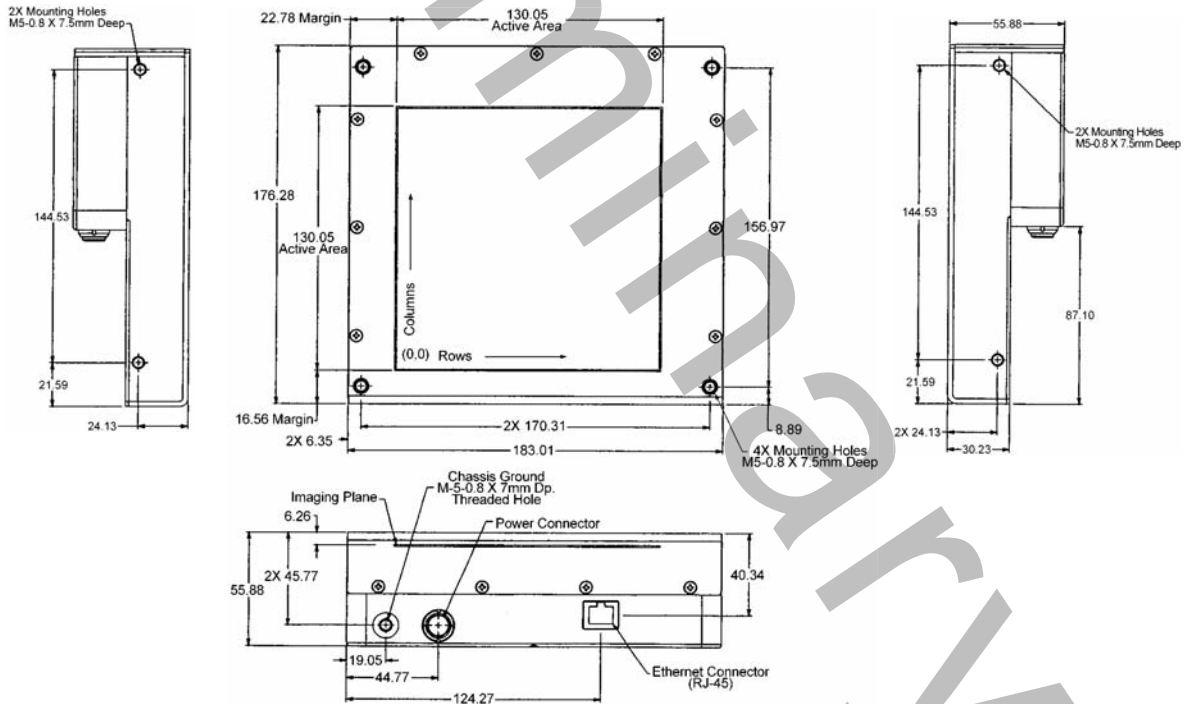
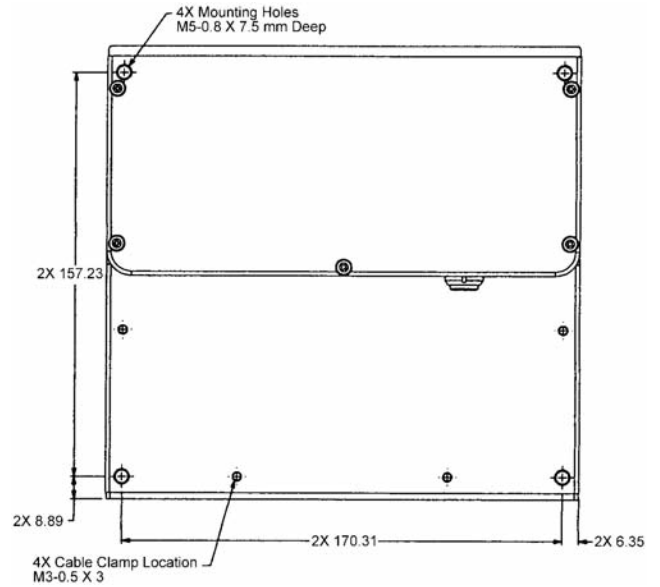
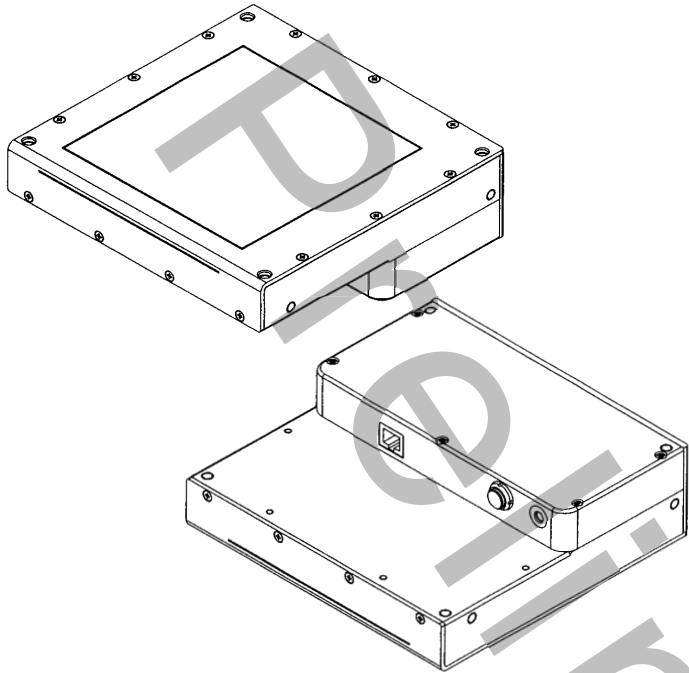
Varian's extensive dental product line allows the OEM to easily integrate multiple panel sizes. The Virtual CP software interface is common across all the panels and the entire product line is offered with Gigabit Ethernet. CameraLink is also support in the 1308 & 1313 sizes.

**Technical Specifications**

Receptor Type . . . . .	Amorphous Silicon	<b>Software</b>	
Conversion Screen . . . . .	Detached CsI, DRZ Plus, DRZ-high, Direct Deposit CsI	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.	
Pixel Area Total . . . . .	13.0 x 13.0 cm (5.12 x 5.12 in.)	<b>Environmental</b>	
Pixel Matrix Total . . . . .	1,024 x 1,024 (1 x 1) 512 x 512 (2 x 2)	Temperature Range - Operating . . . . .	10°C to 35°C (max.)
Pixel Pitch . . . . .	127 μm <sup>2</sup>	(Ambient) - Storage . . . . .	-20°C to +70°C
Limiting Resolution . . . . .	3.94 lp/mm	Humidity - Operating (non-condensing) . . . . .	10 to 90%
MTF, X-Ray . . . . .	>48% @ 1 lp/mm (1 x 1), CsI screen	Storage (non-condensing) . . . . .	10 to 90%
Energy Range . . . . .	40 - 160 kVp	Atmospheric Pressure - Operational . . . . .	70 kPa to 106 kPa
Fill Factor . . . . .	57%	Storage . . . . .	70 kPa to 106 kPa
Image Capture . . . . .	Pleora Gigabit or CameraLink	<b>Regulatory</b>	
Scan Method . . . . .	Progressive	U.S. . . . .	UL 60601-1
A/D Conversion . . . . .	16-bits	Canada . . . . .	CSA 22.2 No. 601.1-M90
Frame Rate (Workstation dependent) . . . . .	30 fps (1 x 1) 60 fps (2 x 2)	<b>Mechanical</b>	
Exposure Control . . . . .	Opto Coupled, External Sync, Expose OK	Size . . . . .	7.205 (w) x 6.940 (h) x 2.239 (d) inch [18.301 (w) x 17.628 (h) x 5.688 (d) cm]
<b>Power</b>		Weight . . . . .	4.6 lbs. (2.1 kg)
Power Dissipation	12 Watts nominal power consumption, 30 W (max) 11 to 35V input range, 15 V typical 3A inrush current at power up with 15 V supply	Housing Material . . . . .	Aluminum
Power Supply/Mains . . . . .	100 - 240 VAC, 47 - 63 Hz	Sensor Protection Material	Carbon fiber plate (2.5 mm thick) and aluminum

Dimensions are for reference only

Dimensions are in mm



NOTE: As with all Varian Amorphous Silicon Image Receptors, the PaxScan 1313DX is 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.

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