

**Product Description**

The PaxScan 2520D/CL is a third-generation X-ray imager designed for high-speed dental cone-beam CT imaging. Based upon the new Gigabit Ethernet interface standard, or customer-specified CameraLink standard, images are displayed instantaneously on a user-supplied workstation. The housing is lightweight aluminum.

**Technical Specifications**

Receptor Type .....	Amorphous Silicon
Conversion Screen .....	CsI, DRZ Plus, or Gd <sub>2</sub> O <sub>2</sub> S: Tb (Kodak Lanex Screen)
Pixel Area	
Total .....	19.5 (h) x 24.4 (v) cm (7.68 x 9.6 inch)
Active (Gd <sub>2</sub> O <sub>2</sub> S) .....	19.3 (h) x 24.2 (v) cm (7.60 x 9.49 inch)
(CsI, Direct Deposit) .....	19.0 (h) x 23.8 (v) cm (7.48 x 9.37 inch)
Pixel Matrix Total .....	1,536 (h) x 1,920 (v)
Active (Gd <sub>2</sub> O <sub>2</sub> S) .....	1,516 (h) x 1,900 (v)
(CsI, Direct Deposit) .....	1,496 (h) x 1,874 (v)
Pixel Pitch .....	127 μm <sup>2</sup>
Limiting Resolution .....	3.94 lp/mm
MTF, X-Ray .....	≥48% 1 lp/mm, Gd <sub>2</sub> O <sub>2</sub> S:Tb screen (80 kVp)
DQE (0), RQA5 Direct Deposit CSI .....	70% ±5%
DQE (0), RQA5 Other Scintillator Options .....	≈60%
Energy Range Standard .....	40 - 150 kVp
Fill Factor .....	57%
Image Capture .....	Intel® Pro/1000GT Desktop Adaptor (PCI) (Customer Supplied) Epix® CameraLink Adaptor (PCI) (Optional)
Scan Method .....	Progressive
Data Output/System Interface .....	Gigabit Ethernet or CameraLink
A/D Conversion .....	14-bits
Frame Rate .....	1 - 10 fps (1 x 1) 15/30 fps (2x2) (Workstation dependent)

**Software**

The software release includes ViVA™, a basic application for image acquisition and viewing on an end-user workstation or laptop running Microsoft® Windows™. The developer's software package includes a "Virtual Command Processor" software interface that performs detector calibration, receptor set-up, image acquisition, and image corrections. ViVA™ includes file translators for .viv, .raw, .jpg, and .bmp formats. Windows® XP compatible.

**Environmental**

Shock .....	High-shock tolerance
Temperature Range - Operating .....	10°C to 35°C (max.)
(Ambient) - Storage .....	-20°C to +70°C
Humidity - Operating (non-condensing) .....	10 to 90%
Storage (non-condensing) .....	10 to 90%
Atmospheric Pressure .....	70 kPa to 106 kPa

**Regulatory**

U.S. ....	UL 60601-1
Canada .....	CSA 22.2 No. 601.1-M90

**Mechanical**

Weight .....	9.65 lbs. (4.38 kg)
Housing Material .....	Aluminum
Sensor Protection Material	
Carbon fiber plate (2.5 mm thick) and aluminum	

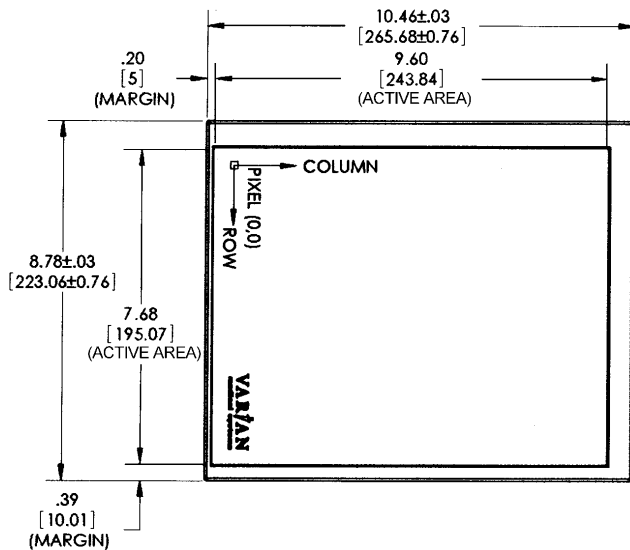
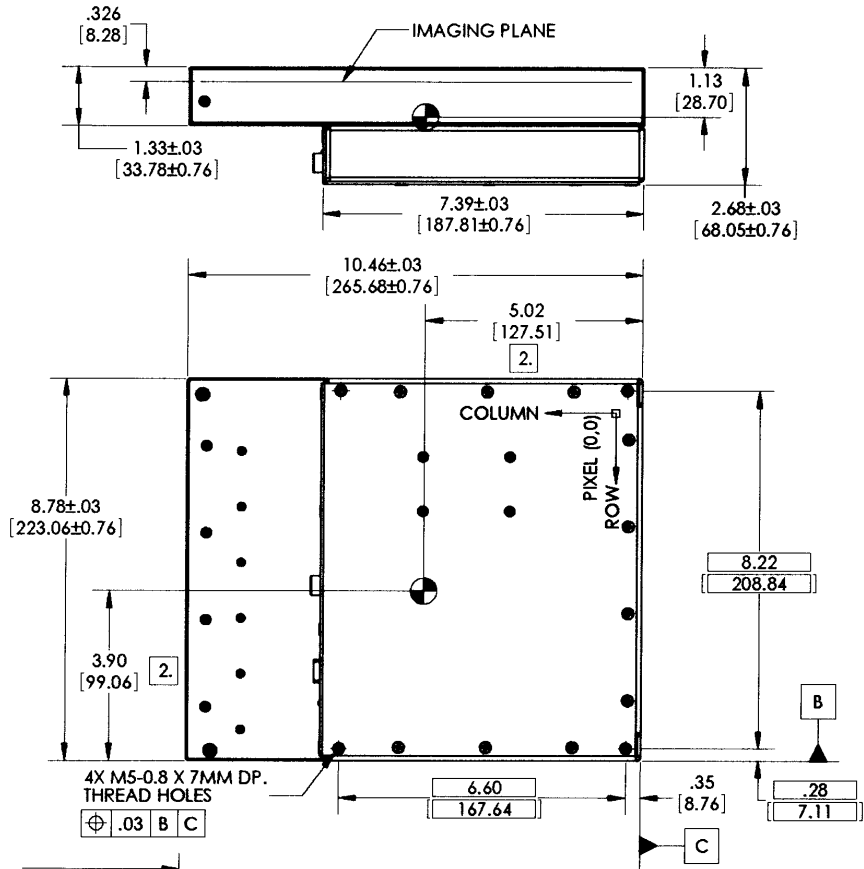
**Power**

Power Input .....	90 - 264 Vac, 47 - 63 Hz
Power Output .....	+15 Vdc
Rating .....	1.35 A max. @ 115 Vac, 60 Hz
Size .....	1.69 (h) x 2.99 (w) x 5.75 (d) Inch [4.29 x 7.59 x 14.61 cm]

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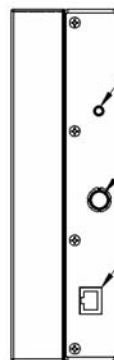
Drawings are for reference only

Dimensions are in inches [mm]



**2520D Shown**

**2520CL Shown**



**VARIAN**  
medical systems

**X-RAY  
PRODUCTS**

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