

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 ₂ O ₂ S: Tb (Kodak Lanex Screen)
Pixel Area	
Total	19.5 (h) x 24.4 (v) cm (7.68 x 9.6 inch)
Active (Gd ₂ O ₂ 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 ₂ O ₂ S)	1,516 (h) x 1,900 (v)
(CsI, Direct Deposit)	1,496 (h) x 1,874 (v)
Pixel Pitch	127 μm ²
Limiting Resolution	3.94 lp/mm
MTF, X-Ray	≥48% 1 lp/mm, Gd ₂ O ₂ S:Tb screen (80 kVp)
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
A/D Conversion	14-bits
Frame Rate	1 - 10 fps (1 x 1) 15/30 fps (2x2) (Workstation dependent)
Data Output/System Interface	Gigabit Ethernet or CameraLink

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%

Regulatory

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

Mechanical

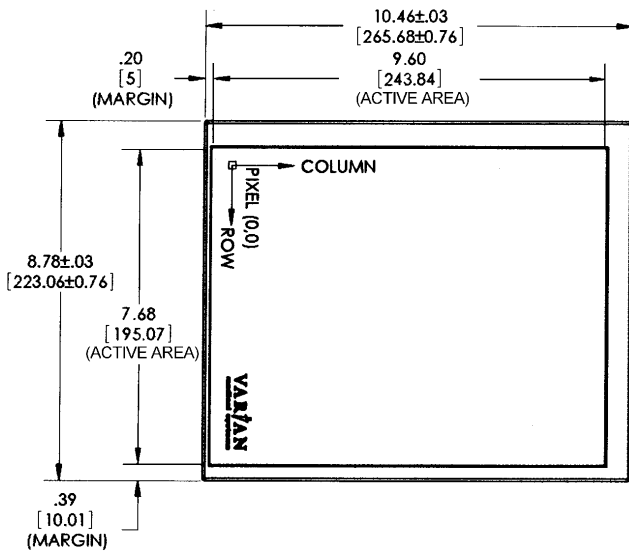
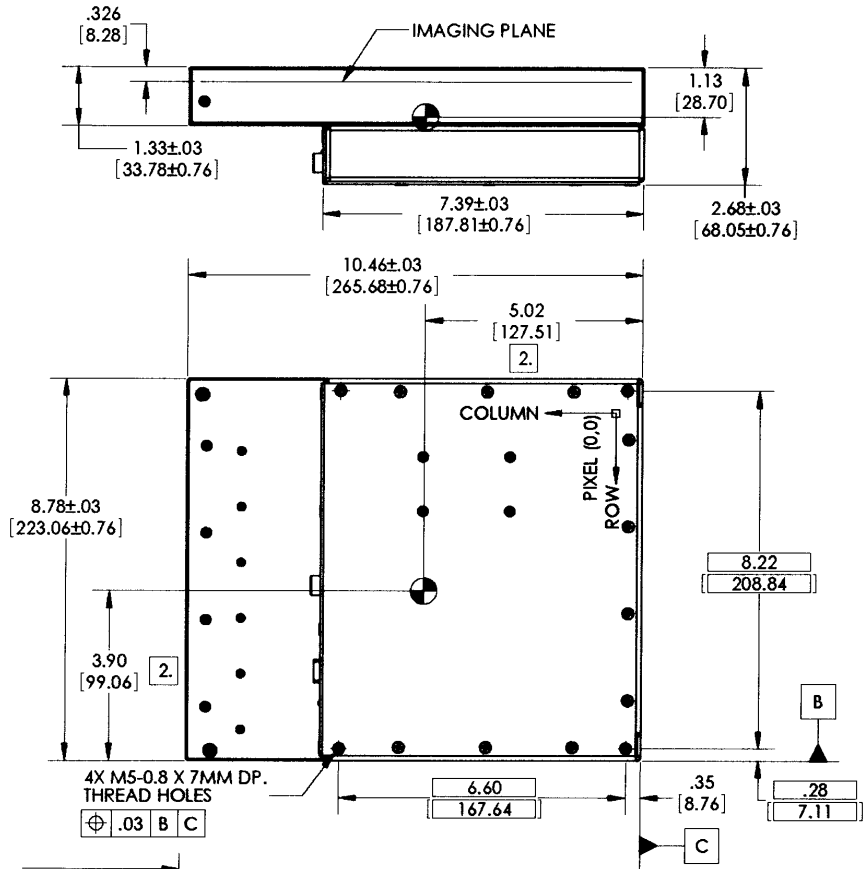
Size	18.155 (w) x 9.288 (l) x 1.045 (h) Inch [46.114 (w) x 23.592 (l) x 2.654 (h) cm]
Weight	9.65 lbs. (4.38 kg)
Housing Material	Aluminum
Sensor Protection Material	Carbon fiber plate (2.5 mm thick) and aluminum

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]

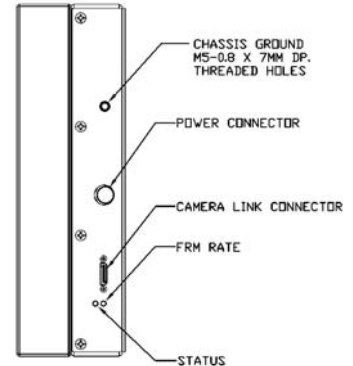
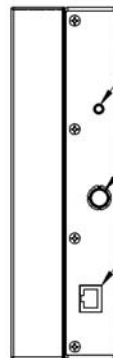
Drawings are for reference only

Dimensions are in inches [mm]



2520D Shown

2520CL Shown



VARIAN
medical systems

**X-RAY
PRODUCTS**

Salt Lake City, UT 1-801-972-5000

www.varian.com