

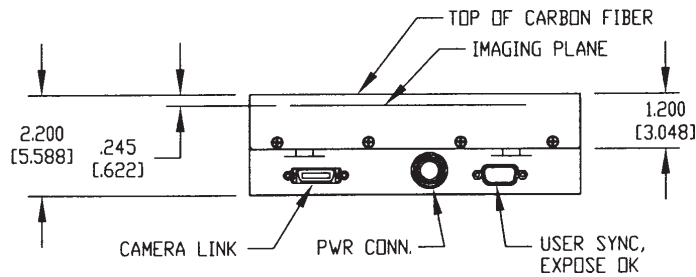
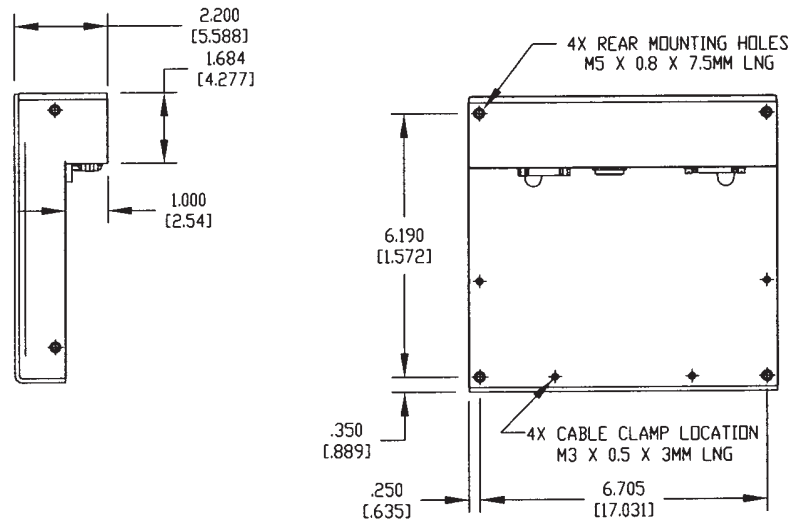
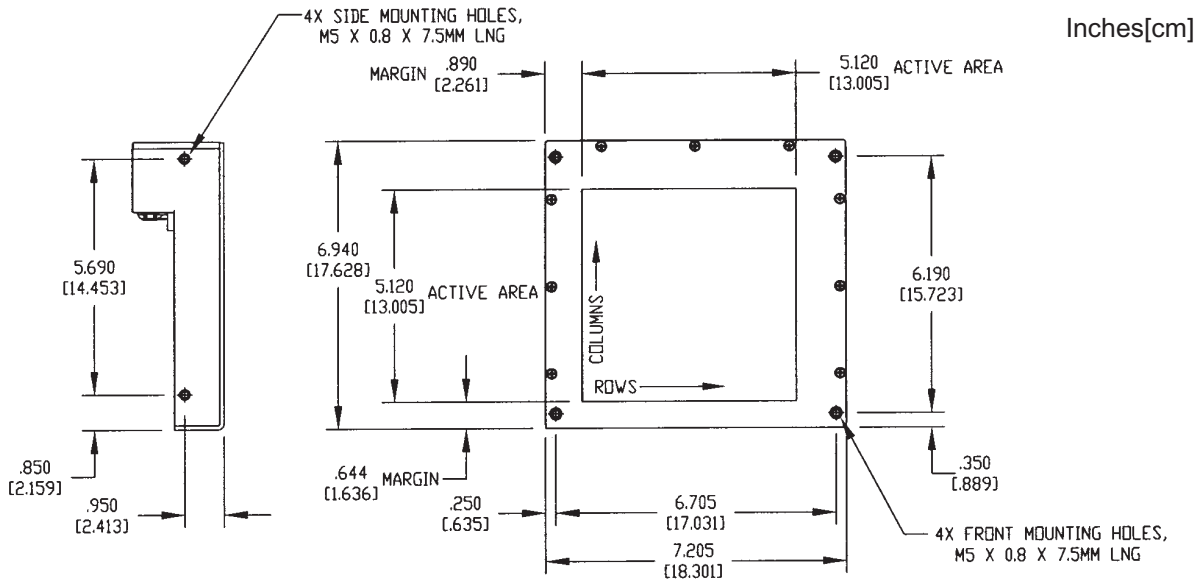


The PaxScan® 1313 incorporates all of our latest high-speed electronics used in our real-time imagers, but in a smaller format suitable for applications using 6 inch Image Intensifiers. Interfacing to this new panel is a simple task through the industry standard CameraLink port.

The high-resolution receptor combined with a software-based command processor capable of 30 frames per second makes this an ideal X-ray imager for research and non-destructive testing applications. Dental 3D computer tomography (CT) applications also benefit from the high dynamic range and uniform image quality across a wide X-ray dose range.

Technical Specifications

Receptor Type	Amorphous Silicon	Software	
Conversion Screen	Detached CsI, DRZ Plus, or Gd ² O ₂ S; Tb (Kodak Lanex Screen)	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. Windows® XP compatible.	
Pixel Area Total	13.0 x 13.0 cm (5.12 x 5.12 in.)	Environmental	
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 ²	(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	Regulatory	
Fill Factor	57%	U.S.	UL 60601-1
Image Capture (optional)	Epix CameraLink (PCI) (available with 1, 3, 5, 10m cable)	Canada	CSA 22.2 No. 601.1-M90
Scan Method	Progressive	Mechanical	
A/D Conversion	14-bits	Size	7.205 (w) x 6.940 (h) x 2.200 (d) inch [18.301 (w) x 17.628 (h) x 5.588 (d) cm]
Frame Rate (Workstation dependent)	10 fps (1 x 1) 30 fps (2 x 2)	Weight	3.70 lbs. (1.68 kg)
Data Output	CameraLink	Housing Material	Aluminum
Exposure Control	Serial port to host computer	Sensor Protection Material	Carbon fiber plate (2.5 mm thick) and aluminum
Power			
Power Dissipation	15 watts (max.)		
Power Supply/Mains	100 - 240 VAC, 47 - 63 Hz		



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