

PaxScan 2530C imagers provide industry leading Cephalometric image quality for dental applications. Varian's amorphous silicon based detectors are the gold standard for radiographic 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

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 and LVDS is also available for the 2530C panel.

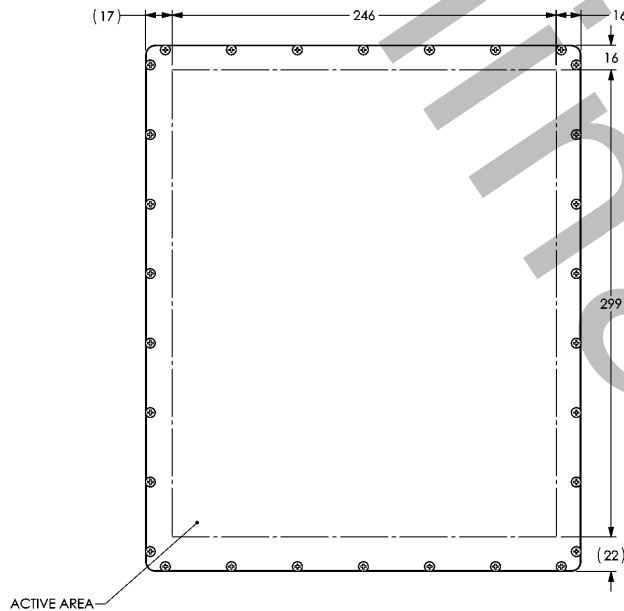
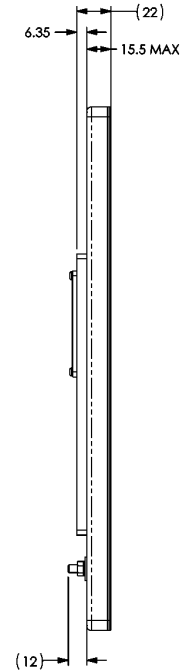
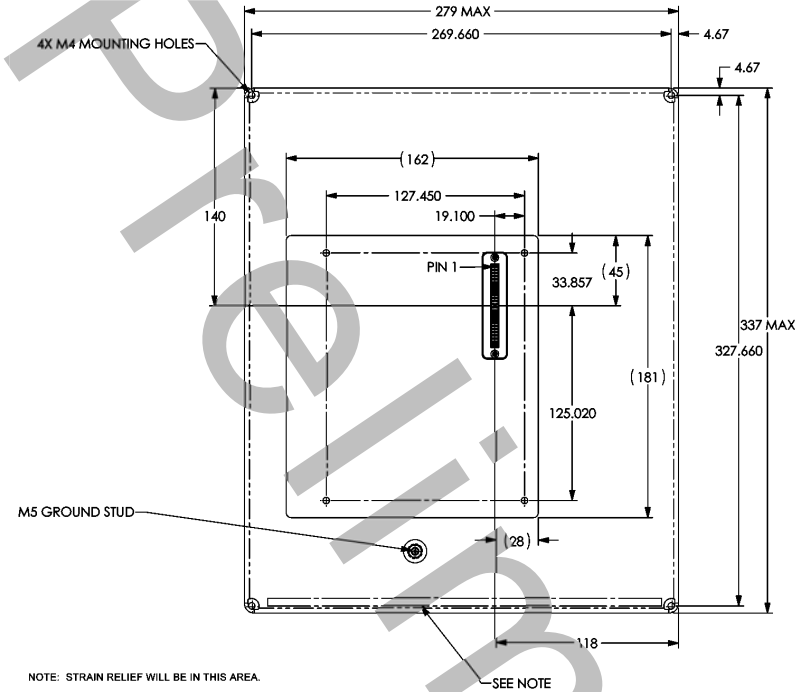
Technical Specifications

<p>Receptor Type Amorphous Silicon</p> <p>Conversion Screen DRZ Plus</p> <p>Pixel Area Total 24.9 x 30.2 cm (9.8 x 11.9 in.)</p> <p>Pixel Matrix Total 1792 x 2176 (1 x 1)</p> <p>Pixel Pitch 139 μm^2</p> <p>Limiting Resolution 3.60 lp/mm</p> <p>MTF, X-Ray >54% @ 1 lp/mm (1x1), DRZ+</p> <p>Energy Range 40 - 160 kVp</p> <p>Fill Factor 88%</p> <p>Image Capture Pleora Gigabit, CameraLink, or USB</p> <p>Scan Method Progressive</p> <p>A/D Conversion 16-bits</p> <p>CycleTime (Workstation dependent) 1 second</p> <p>Exposure Control Expose Request input, Expose Start output</p> <p>Power</p> <p>Power Dissipation N/A Watts nominal power consumption, N/AW (max) 11 to 35V input range, 15 V typical 3A inrush current at power up with 15 V supply</p> <p>Power Supply/Mains 100 - 240 VAC, 47 - 63 Hz</p>	<p>Software</p> <p>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.</p> <p>Environmental</p> <p>Temperature Range - Operating 10°C to 35°C (max.) (Ambient) - Storage -20°C to +70°C</p> <p>Humidity - Operating (non-condensing) 10 to 90% Storage (non-condensing) 10 to 90%</p> <p>Atmospheric Pressure - Operating 70 kPa to 106 kPa Storage 70 kPa to 106 kPa</p> <p>Regulatory</p> <p>U.S. UL 60601-1 Canada CSA 22.2 No. 601.1-M90</p> <p>Mechanical</p> <p>Weight N/A</p> <p>Housing Material Aluminum</p> <p>Sensor Protection Material Carbon fiber plate (2.0 mm thick) and aluminum</p>
---	--

Dimensions are for reference only

Dimensions are in mm

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



NOTE: As with all Varian Amorphous Silicon Image Receptors, the PaxScan 2530C 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.

Varian Medical Systems
1678 South Pioneer Road
Salt Lake City, Utah 84104
Phone: 801-972-5000
Fax: 801-973-5023

