



**Product Description**

The PaxScan 2520V is a second-generation X-ray imager designed for high-speed fluoroscopic and radiographic imaging. Based upon the new Gigabit Ethernet interface standard, images are displayed instantaneously on a user-supplied workstation or laptop fitted with the appropriate Gigabit controller chipset. The lightweight aluminum housing is shock and water-resistant.

**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 .... 19.3 (h) x 24.2 (v) cm (7.60 x 9.49 inch)
Pixel Matrix	Total ..... 1,536 (h) x 1,920 (v) Active ..... 1,516 (h) x 1,900 (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)
Energy Range	Standard ..... 40 - 150 kVp
Fill Factor .....	57%
Image Capture .....	Intel Pro/1000GT Desktop Adaptor (PCI) (Customer Supplied)
Scan Method .....	Progressive
A/D Conversion .....	14-bits
Frame Rate .....	1 - 7.5 fps (1x1) 15/30 fps (2x2) (Workstation dependent)
Data Output/System Interface .....	Gigabit Ethernet
<b>Power</b>	
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]

**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
Water .....	Water-resistant
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

Drawings are for reference only

Dimensions are in inches

