



**Product Description**

The PaxScan 2520XI/V 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 DRZ high                                      |
| 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 $\mu$ m <sup>2</sup>  |
| Limiting Resolution .....          | 3.94 lp/mm  |
| MTF, X-Ray .....                   | $\geq$ 48% 1 lp/mm, CsI, RQA5                                   |
| Energy Range Standard .....        | 40 - 150 kVp  |
| Fill Factor .....                  | 57%   |
| Image Capture .....                | Intel Pro/1000GT Desktop Adaptor (PCI)<br>(Customer Supplied)   |
| Scan Method .....                  | Progressive   |
| A/D Conversion .....               | 14-bits   |
| Frame Rate .....                   | 1 - 7.5 fps (1x1)<br>15/30 fps (2x2)<br>(Workstation dependent) |
| Data Output/System Interface ..... | Gigabit Ethernet  |

**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<br>[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 .....                       | 12.480 (w) x 10.485 (l) x 2.875 (h) Inch<br>[31.699 (w) x 26.632 (l) x 7.302 (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

