

Product Description

The PaxScan 4343R is our largest X-ray imaging flat panel detector designed for general digital radiographic imaging. Based upon the new Gigabit Ethernet interface, images are displayed on a user-supplied workstation

Technical Specifications

Receptor Type	Amorphous Silicon with Charge Well Pixel™ Technology
Conversion Screen	Direct Deposit CsI, Detached CsI, DRZ Plus
Pixel Area	Total 42.7 (h) x 42.7 (v) cm (16.8 x 16.8 inch) Active 42.4 (h) x 42.4 (v) cm (16.7 x 16.7 inch)
Pixel Matrix	Total 3,072 (h) x 3,072 (v) Active 3,052 (h) x 3,052 (v)
Pixel Pitch	139 µm
Limiting Resolution	3.6 lp/mm
DQE (0) (RQA5)	70% ±5%
Energy Range	Standard 40 - 150 kVp
Fill Factor	100%
Scan Method	Progressive
Data Output	Gigabit Ethernet
A/D Conversion	14-bits
Cycle Time (minimum / standard)	6 / 8 sec.
Workstation Interface	Ethernet Port
Exposure Control	Inputs: Expose-Request Outputs: Expose-OK

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, detector set-up, image acquisition, and image corrections. ViVA™ includes file type translators for .viv, .raw, .jpg, and .bmp file formats. Windows® XP and Windows® 7 (32 bit) compatible.

Environmental

Shock	High-shock tolerance
Temperature Range - Operating (at back cover)	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%
Atmospheric Pressure - Operating	70 kPa to 106 kPa
Storage	70 kPa to 106 kPa

Regulatory

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

Mechanical

Weight	16.5 lbs. (7.5 kg)
Housing Material	Aluminum
Sensor Protection Material	Carbon fiber plate and aluminum

Power

Power Dissipation	40 watts (cont.) 42 watts (max.)
Power Supply/Adaptor	90-240 VAC, 47-63 Hz

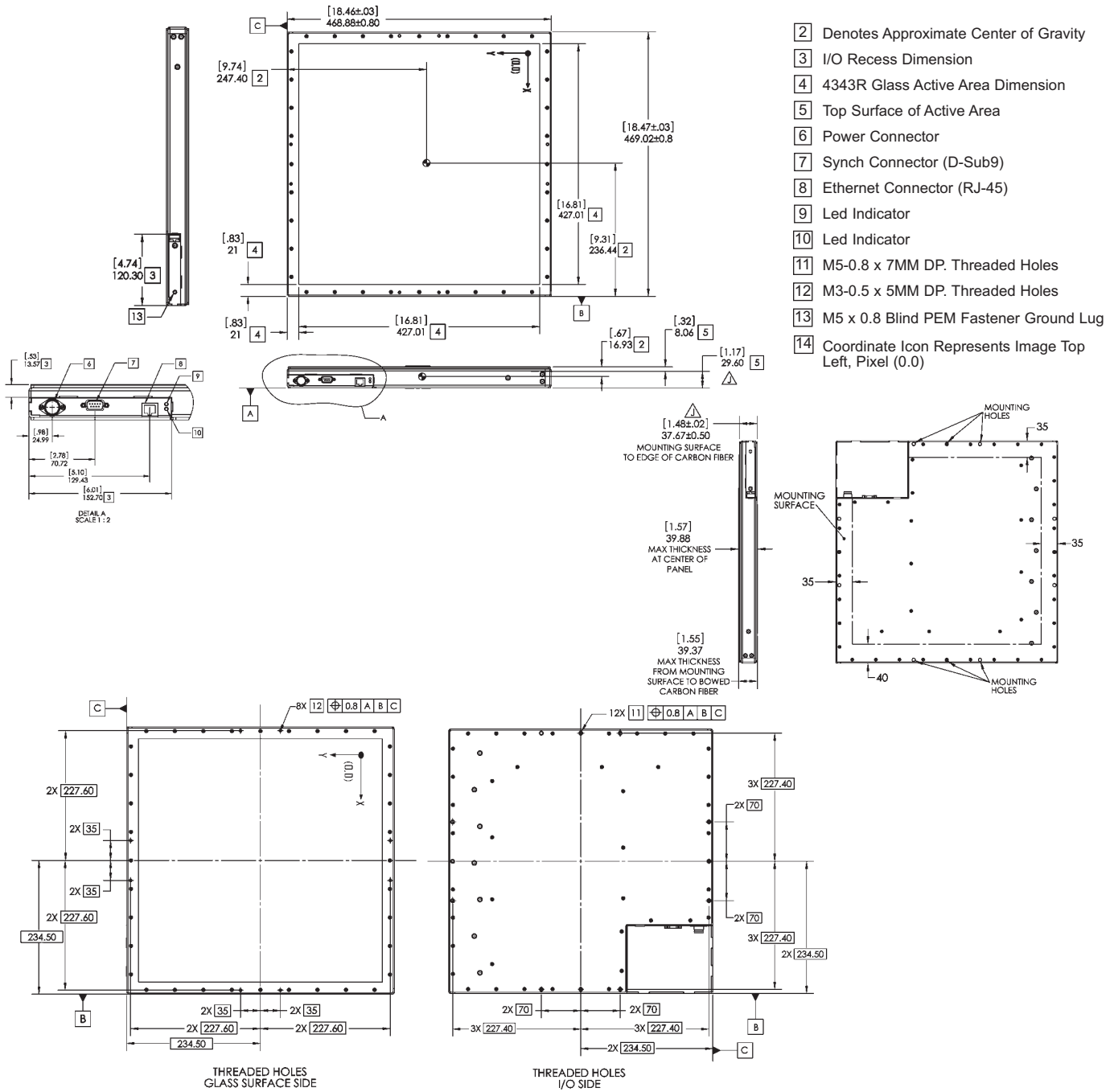
Computer Requirements

RAM	2.00 GB
CPU	Pentium dual core running @ 2.0 GHz or equivalent

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Drawings are for reference only

Dimensions are in mm [inches]



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Salt Lake City, UT 1-801-972-5000
www.varian.com