

Product Description

The PaxScan 4343R vDX 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 |
| Conversion Screen | DRZ+ |
| 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) |
| Effective | 3,052 (h) x 3,052 (v) |
| Pixel Pitch | 139 µm |
| Limiting Resolution | 3.6 lp/mm |
| DQE (0) (RQA5) | |
| DRZ+ | 40% ±5% |
| Energy Range | 40 - 150 kVp |
| Fill Factor | 60% |
| Scan Method | Progressive |
| Data Output | Gigabit Ethernet |
| A/D Conversion | 16-bit |
| 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® 7 (32 & 64 bit) and Windows® 8 (64 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 | approx. 13.5 lbs (6.8 kg) |
| Housing Material | Aluminum |
| Sensor Protection | Carbon fiber and aluminum |

Power Requirements

| | |
|----------------------------|-------------------------------------|
| Power Dissipation | 18 watts (cont.) 25 watts (max.) |
| Power Supply/Adaptor | 100-240 VAC, 50-60 Hz |

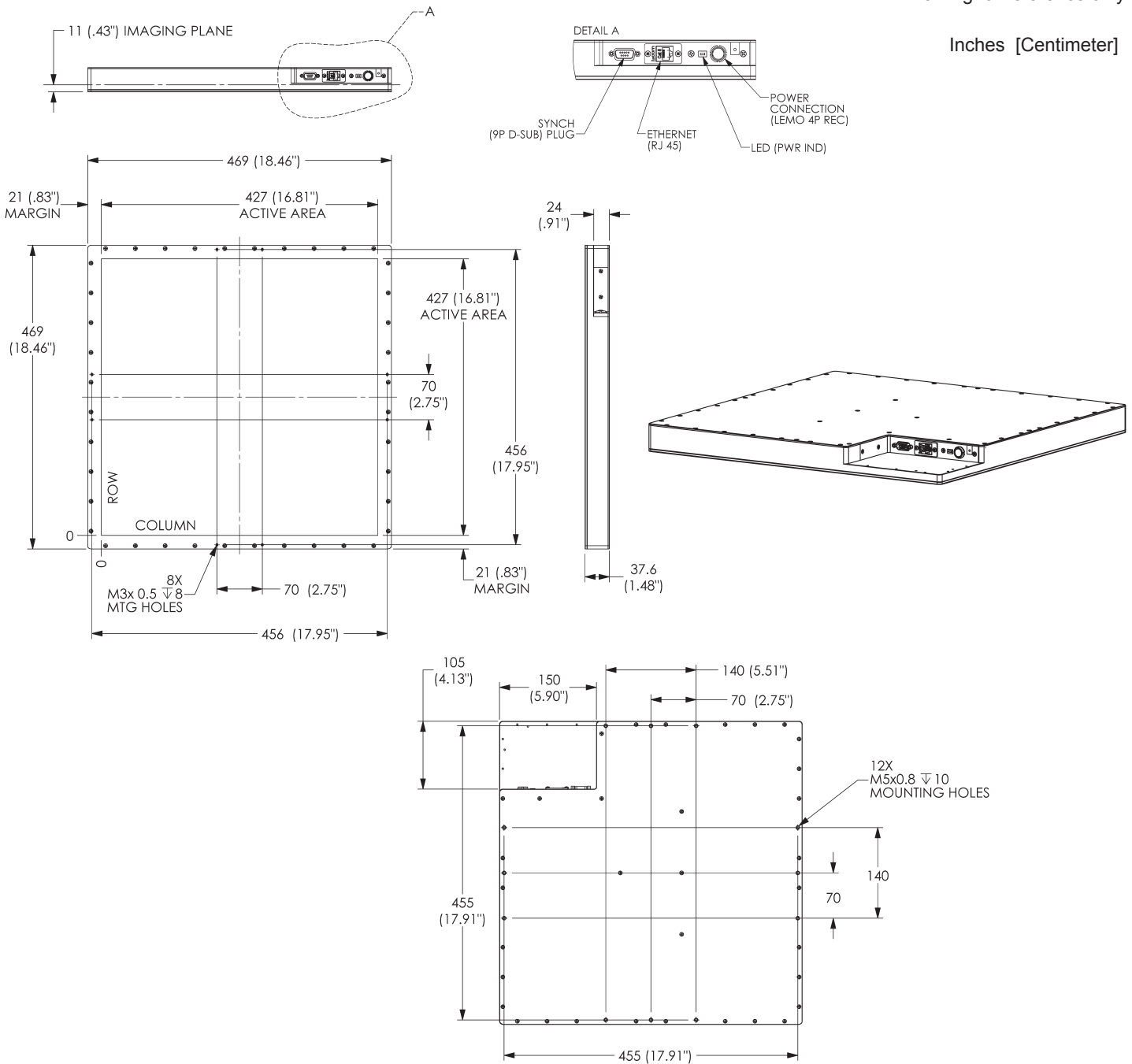
Computer Requirements

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

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Drawing for reference only

Inches [Centimeter]



NOTE: Varian Amorphous Silicon Image Receptors are 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.