

Flat Panel Detector

Version 3



Product Description

The PaxScan® 3030X (version 3) is a real-time digital X-ray imaging device commonly referred to as a flat panel detector (FPD). The main system components are the 30 x 30cm $194\mu m$ -pixel amorphous silicon FPD and Command Processor CP2LC. Excellent low-dose performance is achieved by combining Varex Imaging's proprietary readout electronics with a custom Cesium lodide scintillator. A Windows® based application program and a communications command (DLL) library has also been developed to assist OEM customers tasked with developing their own system interface. This imager is intended for incorporation into a complete X-ray system by a qualified equipment manufacturer.

Technical Specifications

| Receptor Type Amorphous Silicon |
|--|
| Conversion Screen Integral columnar Csl:TI |
| Pixel Area - Total |
| Pixel Matrix - Total |
| Pixel Pitch |
| Limiting Resolution |

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|--|
| Image Quality (RQA5) (typical) |
| MTF (1x1) 1.0 lp/mm |
| DQE (1x1, Quantum-limited) 77% 0 lp/mm 60% 1.0 lp/mm 37% 2.0 lp/mm 37% |
| Quantum Limited Dose (2x2) 1.5 nGy/frame |
| Energy Range |
| Fill Factor |
| Lag<5% (first frame) |
| Scan Method Parallel |
| Data Output LVDS, CameraLink |
| A/D Conversion |
| Cooling Passive |
| Radiation Tolerance |
| Dynamic Range |

Power Requirements

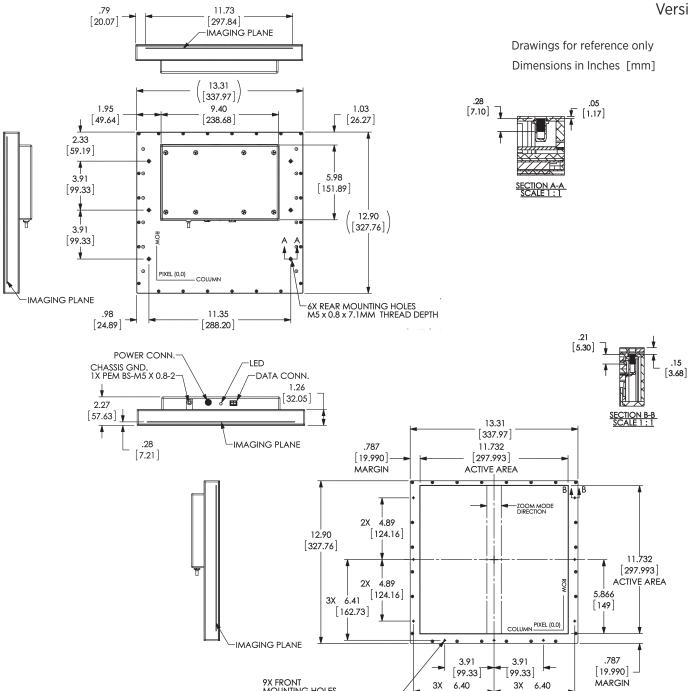
| Input voltage range |
|---|
| Nominal Power Consumption ¹ |
| Peak Power Consumption ¹ (initialization) |
| <u>Mechanical</u> |
| Weight approx. 5.6 kg panel |
| Housing Material Aluminum |
| Sensor Protection Carbon fiber and aluminum |
| Mounting Provisions Blind, threaded mounting holes on the back. |
| Image Acquisition Modes |
| Normal Fluoro |
| Full Resolution |
| <u>Environmental</u> |
| Temperature Limit |
| Relative Humidity |
| Atmospheric Pressure |
| Shock Tolerance 20G (any direction no power applied) |
| Regulatory |
| U.S |
| Canada CAN/CSA C22.2 No. 60601-1:08 |
| EU IEC/EN 60601-1:2005 |

Note¹ - Power drop across supply cables is not included

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Manufactured by Varex Imaging Corporation

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Specifications subject to change without notice.

Note: All Varex Imaging Amorphous Silicon 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.

MOUNTING HOLES, M3 x 0.5 x 5.3MM THREAD DEPTH