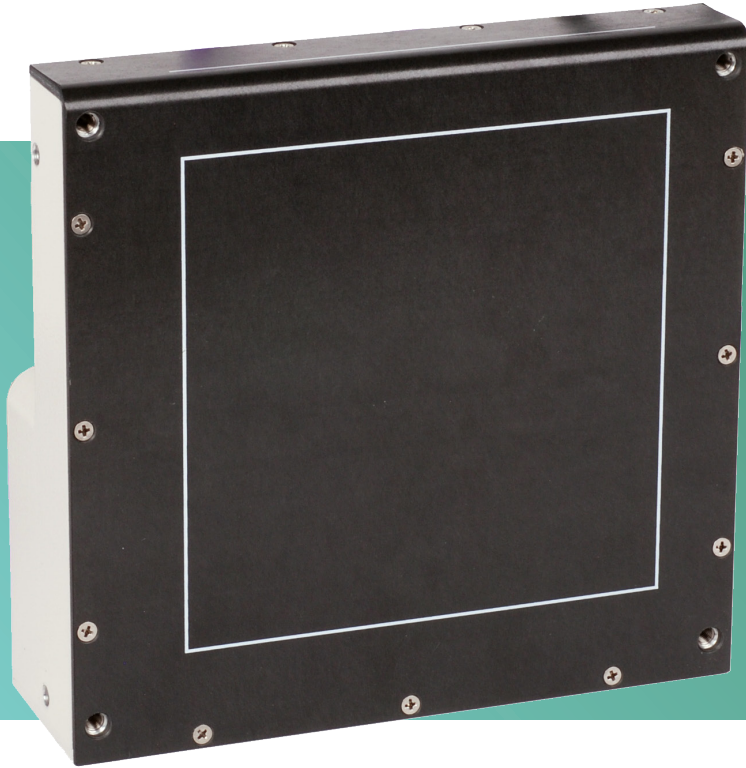


PAXSCAN® 1308DX

Digital Radiography



Solutions in Sight®



PaxScan 1308DX imagers provide CBCT and Panoramic image quality for mid-size dental applications.

OVERVIEW

PaxScan 1308DX imagers provide industry leading CBCT (cone beam computed tomography) and Panoramic image quality for mid-size dental applications. Varex Imaging's amorphous silicon based detectors are the gold standard for CBCT in medical, dental and industrial applications. Amorphous silicon brings key advantages unmatched by other technologies.

Varex Imaging's extensive dental product line allows the OEM to easily integrate multiple panel sizes. The Virtual CP software interface is common across all the panels and the entire product line is offered with Gigabit Ethernet. The 1308DX field of view (FOV) can be located center, left or right justified within the area of the 1313DX FOV.

FEATURES AND BENEFITS

- Radiation hardness > 1MRad
- Widest input energy range
- Immunity from single photon events in the substrate
- Excellent low dose performance
- Proven 3-D soft-tissue capability
- Supports panel sharing
- Customizable overlay

APPLICATIONS¹

- CBCT
- Dental

TECHNICAL SPECIFICATIONS

SENSOR

| | |
|------------------------------------------|------------------------------------------------------------------------|
| Receptor Type | Amorphous Silicon |
| Conversion Screen | Direct Deposit CsI, DRZ Plus |
| Pixel Area Total | 13.0 x 8.13 cm (5.12 x 3.2 in.) |
| Pixel Matrix Total | 1024 x 640 (1 x 1) 512 x 320 (2 x 2) |
| Pixel Pitch | 127 μm^2 |
| Limiting Resolution | 3.94 lp/mm |
| MTF, X-Ray | >48% @ 1 lp/mm (1 x 1), CsI screen |
| Energy Range | 40 -160 kVp (*capable of 225 kV with additional tungsten shielding) |
| Fill Factor | 57% |
| Image Capture | Pleora Gigabit |
| Scan Method | Progressive |
| A/D Conversion | 16-bit |
| Frame Rate (Workstation dependent) | 45 fps (1 x 1) 85 fps (2 x 2) |
| Data Output | Gigabit Ethernet |
| Exposure Control | Opto Coupled, External Sync, Expose OK |

SOFTWARE

The software release includes ViVA™, a basic application for image acquisition and viewing on an end-user workstation 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.

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POWER

| | |
|--------------------------|----------------------------------------------------------------------------|
| Power Dissipation | 12 Watts (nominal power consumption) 11 to 35V input range, 15V typical |
| Power Supply/Mains | 100 - 240 VAC, 47 - 63 Hz |

MECHANICAL

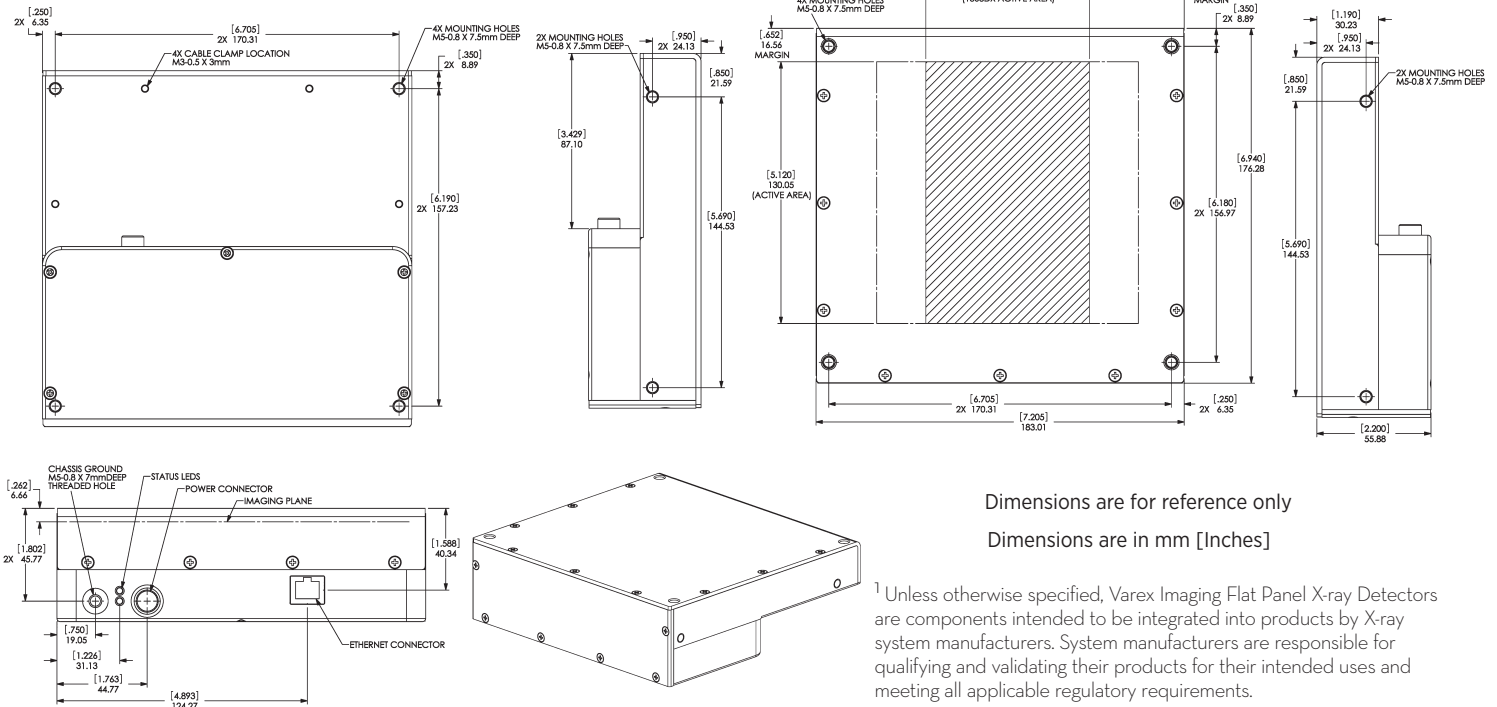
| | |
|----------------------------------|---------------------------------------------------|
| Weight | 3.76 lbs. (1.71 kg) |
| Housing Material | Aluminum |
| Sensor Protection Material | Carbon fiber plate (2.5 mm thick) and aluminum |

ENVIRONMENTAL

| | |
|-------------------------------------------------------|---------------------|
| Temperature Range - Operating | 10°C to 35°C (max.) |
| (Ambient) - Storage | -20°C to +70°C |
| Humidity - Operating & Storage (non-condensing) | 10% to 90% |
| Atmospheric Pressure - Operating & Storage | 70 kPa to 106 kPa |

REGULATORY

| | |
|--------------|-------------------------------------------------------------------------|
| U.S. | ES60601-1:2005/(R)2012 and A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012 |
| Canada | CAN/CSA C22.2 No. 60601-1:14 |
| EU | IEC 60601-1:2005 + A1:2012 EN 60601-1:2006+A1:2013 +A12:2014 |



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