Technical Specifications

Receptor Type ........................................ Amorphous Silicon
Conversion Screen ........................................ DRZ Plus
Pixel Area  Total  24.9 x 30.2 cm (9.8 x 11.9 in.)
Pixel Matrix Total  1792 x 2176 (1 x 1)
Pixel Pitch ........................................ 139 \(\mu\)m
Limiting Resolution  3.60 lp/mm
MTF, X-Ray  >54% @ 1 lp/mm (1x1), DRZ+
Energy Range  40 - 160 kVp
Fill Factor  64.3%
Image Capture ........................................ Pleora Gigabit
Scan Method ........................................ Progressive
A/D Conversion  16-bit
Frame Rate  1 second
Exposure Control  User Sync input, Expose OK output

Power

Power Dissipation  16.5 Watts nominal power consumption
12 to 32V input range, 15 V typical
3A inrush current at power up with 15 V supply
Power Supply/Mains  100 - 240 VAC, 47 - 63 Hz

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.

Mechanical

Weight  9.0 lbs ±0.25 lbs
Housing Material  Aluminum
Input X-ray Window  Carbon fiber plate (2.0 mm thick)
and aluminum (0.05mm thick)

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.  ANSI/AAMI ES60601-1:2005
Canada  CAN/CSA C22.2 No. 60601-1:08
EU  IEC/EN 60601-1:2005

PaxScan 2530C imagers provide industry leading Cephalometric image quality for dental applications. Varex Imaging’s amorphous silicon based detectors are the gold standard for radiography in medical, dental and industrial applications.

Amorphous silicon brings key advantages unmatched by other technologies, including:
- radiation hardness > 1MRad
- widest input energy range
- immunity from single photon events in the substrate
- excellent low dose performance

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.

*PaxScan is a Registered Trademark of Varex Imaging Corporation
Dimensions are for reference only

Dimensions are in mm

The following dimensions do not include the snap-on interface card.

Manufactured by Varex Imaging Corporation
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.