



### Product Description

PaxScan 2530 HE imagers provide industry leading image quality for industrial and security applications. Varian's amorphous silicon-based detectors are the benchmark for radiography in industrial, medical and dental applications.

### Key advantages include:

- Design for high dose applications > 1 MRad
- Wide energy range: 20 kV - 16 MV
- Internal shielding up to 225 kV  
Electronics are outside of the detector active area allowing the integrator to provide additional external shielding of the electronics for use above 225 kV.
- Gigabit Ethernet link to workstation

### 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  
Pixel Pitch . . . . . 139  $\mu\text{m}^2$   
Energy Range . . . . . 20 kV - 16 MV  
Fill Factor . . . . . 64.3%  
Data Output . . . . . Gigabit Ethernet  
Scan Method . . . . . Progressive  
A/D Conversion . . . . . 16-bits  
Frame Rate . . . . . 9 fps (1x1), 30 fps (2 x 2)  
Exposure Control . . . . . User Sync input, Expose OK output  
**ViVA™**

The software release includes ViVA™, a basic application for panel testing and calibration 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.

#### Environmental

Temperature Range - Operating . . . . . -10°C to +40°C (max.)  
... (Ambient) - Storage . . . . . -15°C to +50°C  
Humidity - Operating (non-condensing) . . . . . 10 to 95%  
Storage (non-condensing) . . . . . 10 to 95%  
Shock . . . . . IEC 60068-27  
Vibration . . . . . IEC 60068-6

#### Regulatory

U.S. . . . . UL 60601-1  
Canada . . . . . CSA 22.2 No. 601.1-M90  
CE and FCC Part 15 Class A

#### Mechanical

Weight . . . . . 14.4 lbs  $\pm$ 0.25 lbs  
Housing Material . . . . . Aluminum  
Input Filtration . . . . . Carbon fiber plate (2.0 mm thick)  
and aluminum (0.05mm thick)

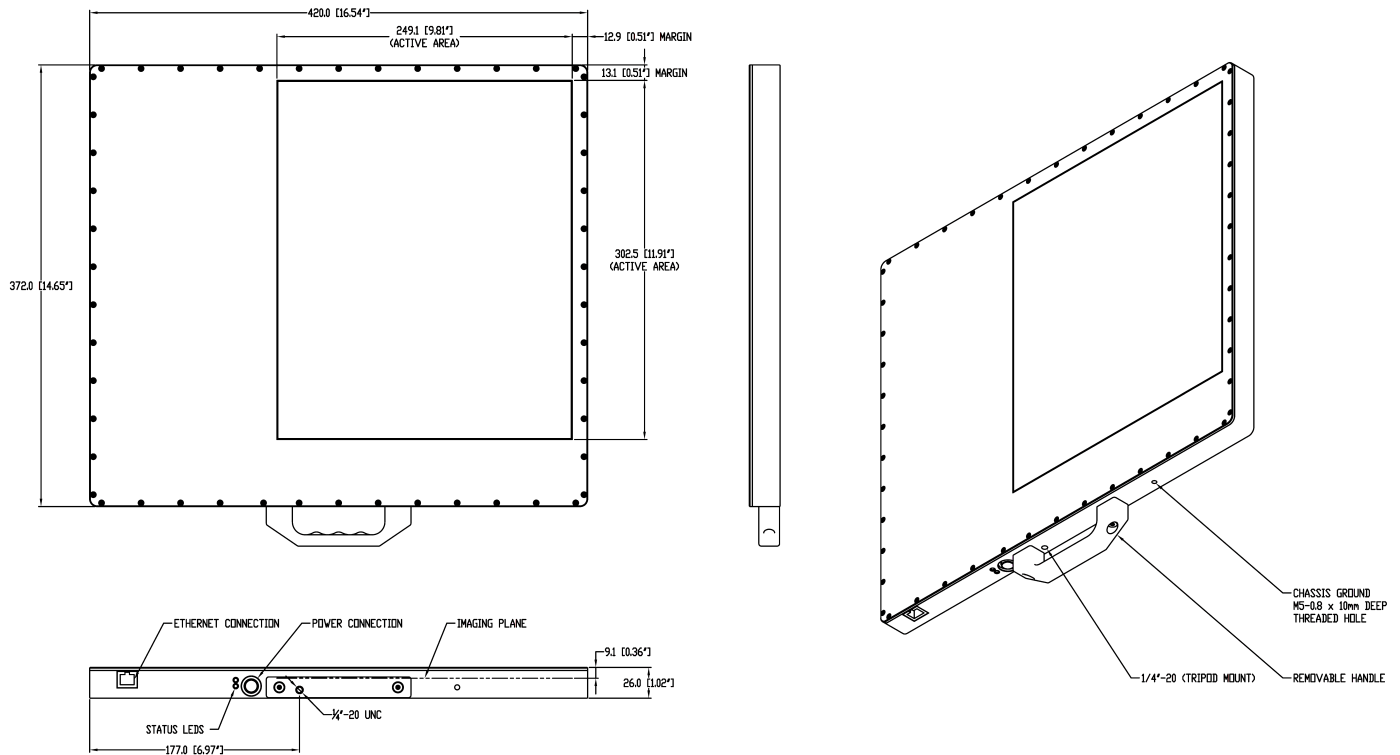
#### Power

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

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Dimensions are for reference only.

Dimensions are in mm [inches]



*Manufactured by Varian Medical Systems, Inc. specifications subject to change without notice.*

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**NOTE:** As with all Varian Amorphous Silicon Image Receptors, the PaxScan 2530HE is designed to be integrated into a complete X-ray system by a qualified system integrator. The system integrator is responsible for obtaining shielding >225 kV.

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