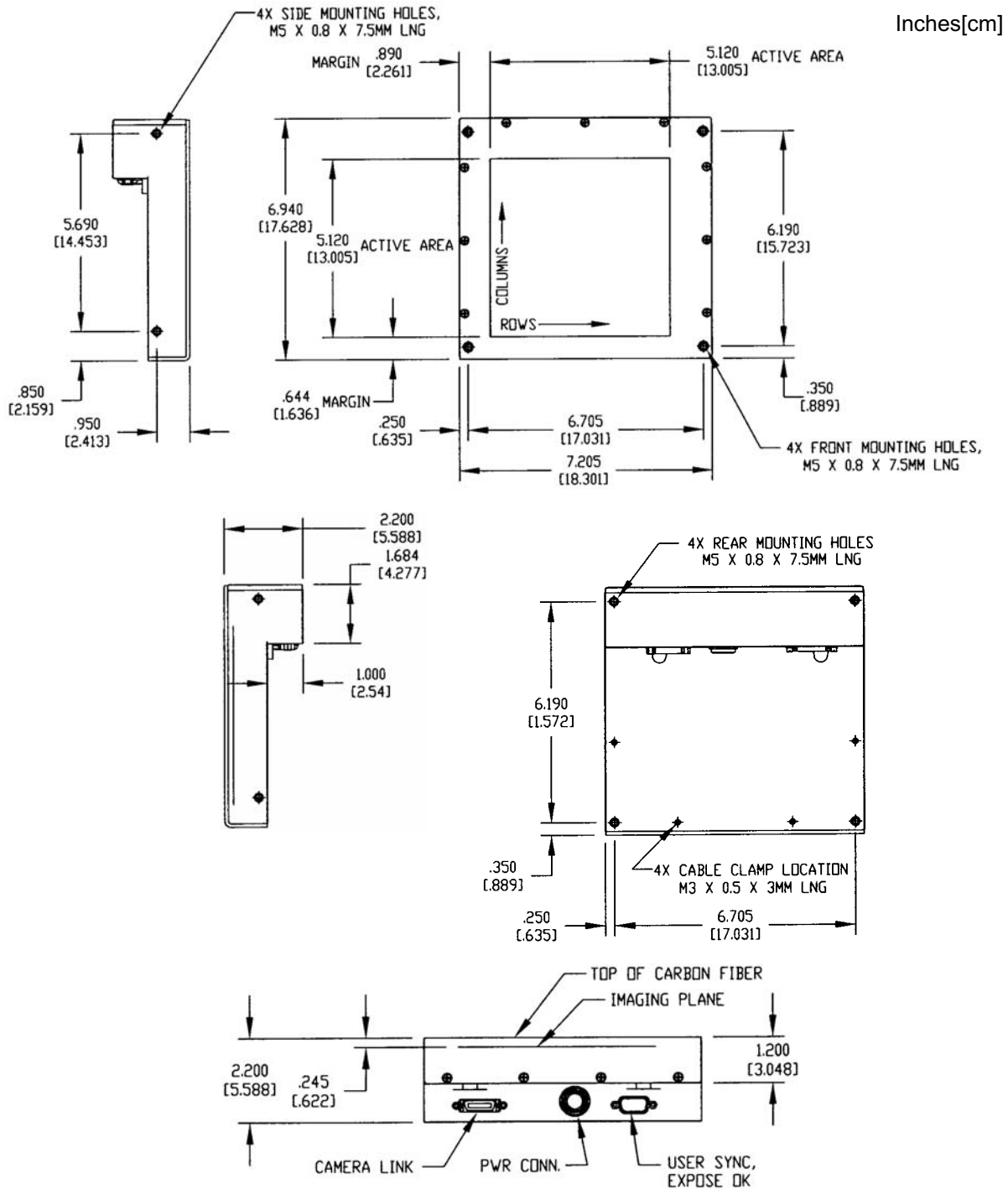


The PaxScan® 1313 is the latest development from Varian Medical Systems. This new product incorporates all of our latest high speed electronics used in our real-time imagers, but in a smaller format suitable for applications currently using 6 inch Image Intensifiers. Interfacing to this new panel is a simple task through the industry standard CameraLink port.

The high resolution receptor combined with a software-based command processor capable of 30 frames per second makes this an ideal imager for microfocus X-ray applications. Computer tomography (CT) applications also benefit from the high dynamic range and uniform image quality across a wide X-ray dose range.

### Technical Specifications

|  |   |  |  |
|--|---|--|--|
| Receptor Type . . . . .                      | Amorphous Silicon   | <b>Software</b>  |  |
| Conversion Screen . . . . .                  | Detached CsI, DRZ Plus, or Gd <sup>2</sup> O <sub>2</sub> S: Tb<br>(Kodak Lanex Screen) | 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. Windows® XP compatible. |  |
| Pixel Area Total . . . . .                   | 13.0 x 13.0 cm (5.12 x 5.12 in.)  | <b>Environmental</b>   |  |
| Pixel Matrix Total . . . . .                 | 1,024 x 1,024 (1 x 1)<br>512 x 512 (2 x 2)  | Temperature Range - Operating . . . . .  | 10°C to 35°C (max.)  |
| Pixel Pitch . . . . .                        | 127 μm <sup>2</sup>   | (Ambient) - Storage . . . . .  | -20°C to +70°C   |
| Limiting Resolution . . . . .                | 3.94 lp/mm  | Humidity - Operating (non-condensing) . . . . .  | 10 to 90%  |
| MTF, X-Ray . . . . .                         | >48% @ 1 lp/mm (1 x 1), CsI screen  | Storage (non-condensing) . . . . .   | 10 to 90%  |
| Energy Range . . . . .                       | 40 - 160 kVp  | <b>Regulatory</b>  |  |
| Fill Factor . . . . .                        | 85%   | U.S. . . . .   | UL 60601-1   |
| Image Capture (optional) . . . . .           | Epix CameraLink (PCI)<br>(available with 1, 3, 5, 10m cable)                            | Canada . . . . .   | CSA 22.2 No. 601.1-M90   |
| Scan Method . . . . .                        | Progressive   | <b>Mechanical</b>  |  |
| A/D Conversion . . . . .                     | 14-bits   | Size . . . . .   | 7.205 (w) x 6.940 (h) x 2.200 (d) inch<br>[18.301 (w) x 17.628 (h) x 5.588 (d) cm] |
| Frame Rate (Workstation dependent) . . . . . | 10 fps (1 x 1)<br>30 fps (2 x 2)  | Weight . . . . .   | 3.70 lbs. (1.68 kg)  |
| Data Output . . . . .                        | CameraLink  | Housing Material . . . . .   | Aluminum   |
| Exposure Control . . . . .                   | Serial port to host computer  | Sensor Protection Material   | Carbon fiber plate (2.5 mm thick) and aluminum                                     |
| <b>Power</b>                                 |   |  |  |
| Power Dissipation . . . . .                  | 15 watts (max.)   |  |  |
| Power Supply/Mains . . . . .                 | 100 - 240 VAC, 47 - 63 Hz   |  |  |



NOTE: As with all Varian Amorphous Silicon Image Receptors, the PaxScan 1313 is 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.

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