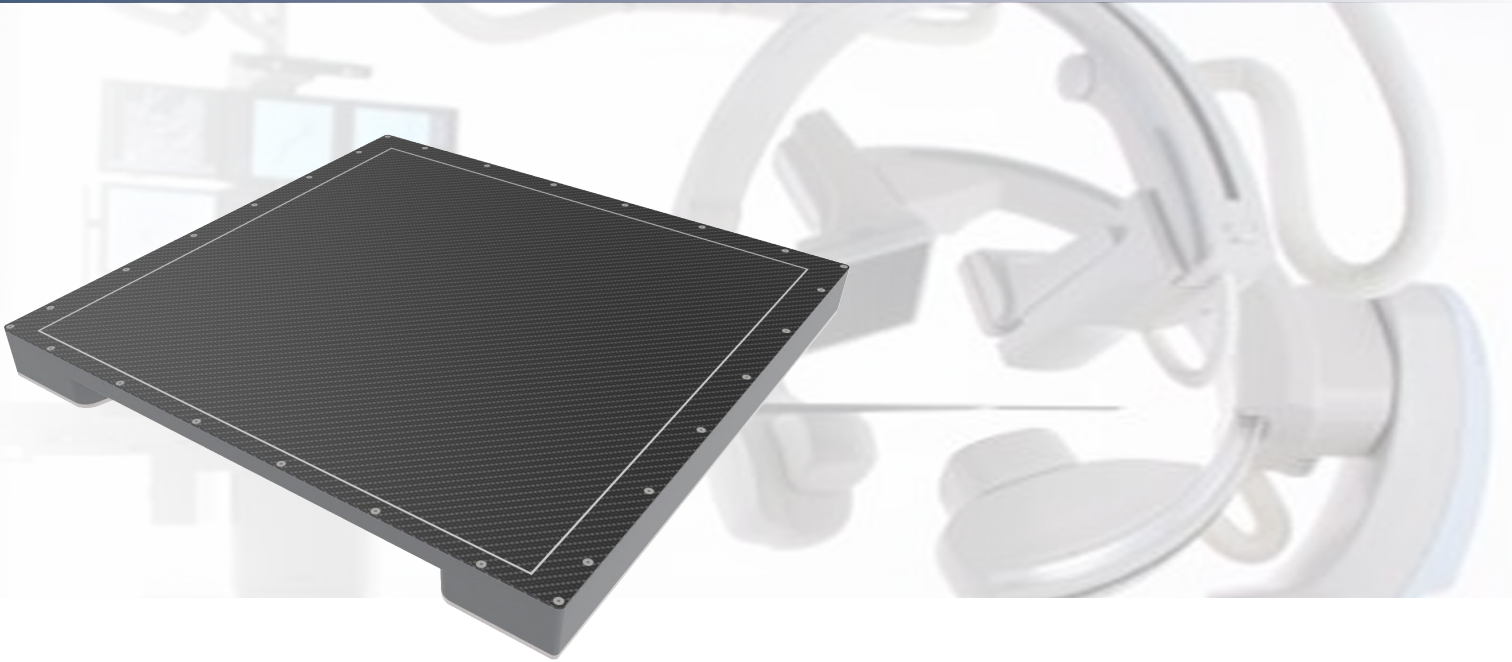


AZURE 3131Z

Dynamic Detector



OVERVIEW

The Varex Imaging AZURE is a family of new dynamic detectors from the world's leading manufacturer of X-ray components. The AZURE uses a state-of-the-art and advanced IGZO sensor which, when combined with Varex Imaging's low-noise electronic design and advanced scintillators, provides excellent low-dose performance. This performance comes with the reliability and robustness for which Varex Imaging is renowned.

The AZURE 3131Z is designed for use in Fluoroscopy, Interventional X-ray, and CBCT systems where the improved electronics and scintillator enable excellent low-dose performance. This provides linear performance over a wide dose range while minimizing exposure to both patient and staff. High frame rates are possible for smooth motion fluoroscopy and fast scans in 3D systems.

FEATURES AND BENEFITS

PERFORMANCE

- Up to 40 fps at full resolution
- 100 μ m pixel pitch
- Significantly improved low-dose performance*

INTEGRATION

- Simple integration with on-board corrections
- Image processing capabilities
- Simplified SDK
- Programmable ROI for Zoom modes

MECHANICAL

- Design for reliability
- Simple mechanical interface



LOW DOSE PERFORMANCE

AZURE 3131Z is more sensitive, providing excellent image quality at lower dose levels*

HIGH FRAME RATE

AZURE 3131Z allows for frame rates up to 40 fps for smoother motion at full resolution

IMAGE PROCESSING

On-board corrections for simple integration

TECHNICAL INFORMATION

Scintillator	High Brightness CsI
Pixel Matrix (Total)	3072 x 3072
Pixel Pitch	100 μ m
Frame Rate (1 x 1)	40 fps
Frame Rate (2 x 2)	80 fps
Active Area (Total)	307 x 307 mm
Interface	10Gb/s Ethernet or CoaXPress over Fiber

*Comparison is with Varex Imaging 3030DXV

For more information about the 3131Z, please contact your Varex Imaging representative.

Unless otherwise specified, Varex Imaging Flat Panel X-ray Detectors are components intended to be integrated into products by X-ray system manufacturers. System manufacturers are responsible for qualifying and validating their products for their intended uses and meeting all applicable regulatory requirements.



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