

AZURE 3131Z-150

C-arm 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-150 is designed for use in C-arm 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 in a variety of dynamic applications.

FEATURES AND BENEFITS

PERFORMANCE

- Up to 60 fps at full resolution
- 150 μm pixel pitch
- Significantly improved low-dose performance*

INTEGRATION

- Simple integration with on-board corrections
- Image processing capabilities
- Simplified SDK

MECHANICAL

- Design for reliability
- Simple mechanical interface



LOW DOSE PERFORMANCE

AZURE 3131Z-150 is more sensitive, providing excellent image quality at lower dose levels*

HIGH FRAME RATE

AZURE 3131Z-150 allows for frame rates up to 60 fps for smoother motion at full resolution

IMAGE PROCESSING

On-board corrections for simple integration

TECHNICAL INFORMATION

Scintillator	High Brightness CsI
Pixel Matrix (Total)	2048 x 2048
Pixel Pitch	150 μ m
Frame Rate (1 x 1)	60 fps
Frame Rate (2 x 2)	120 fps
Active Area (Total)	307 x 307 mm
Interface	CoaXPress

*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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