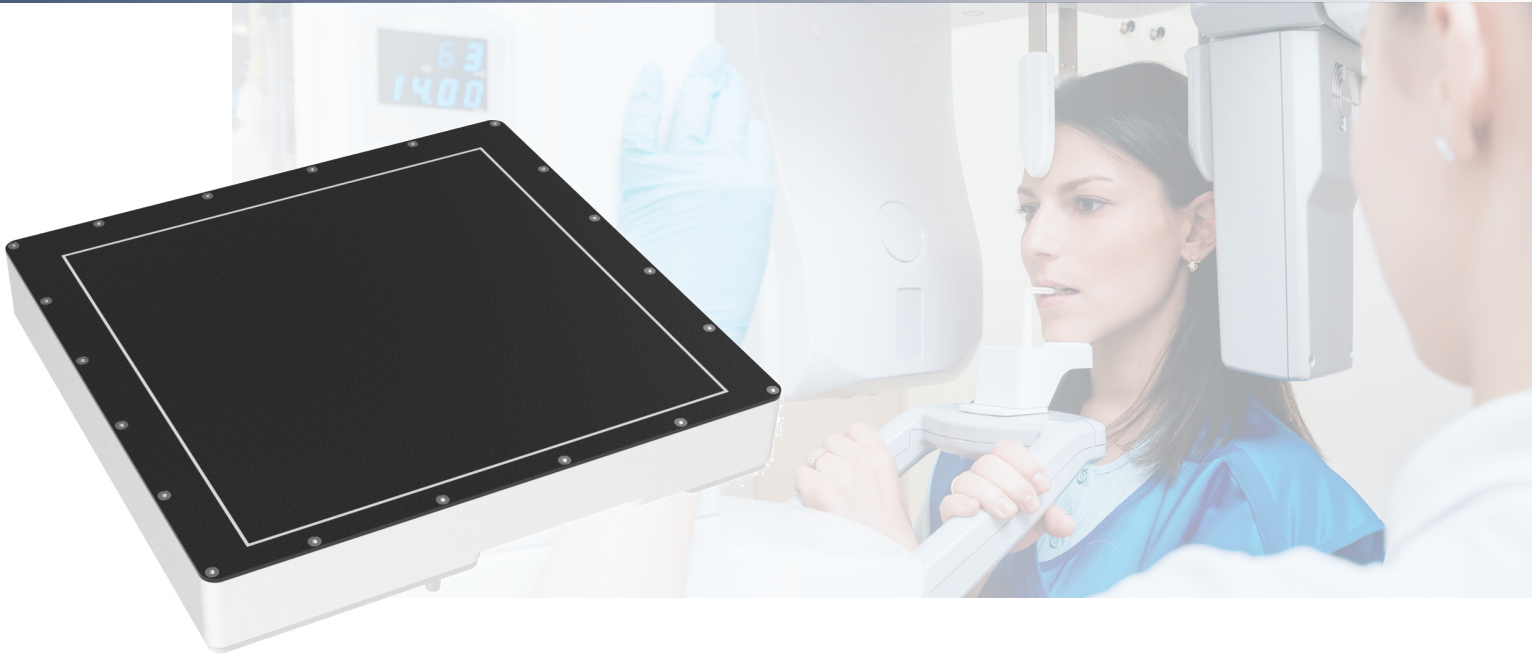


Making the Invisible Visible

## AZURE 1616Z Dental 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 1616Z is designed for use in Dental 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

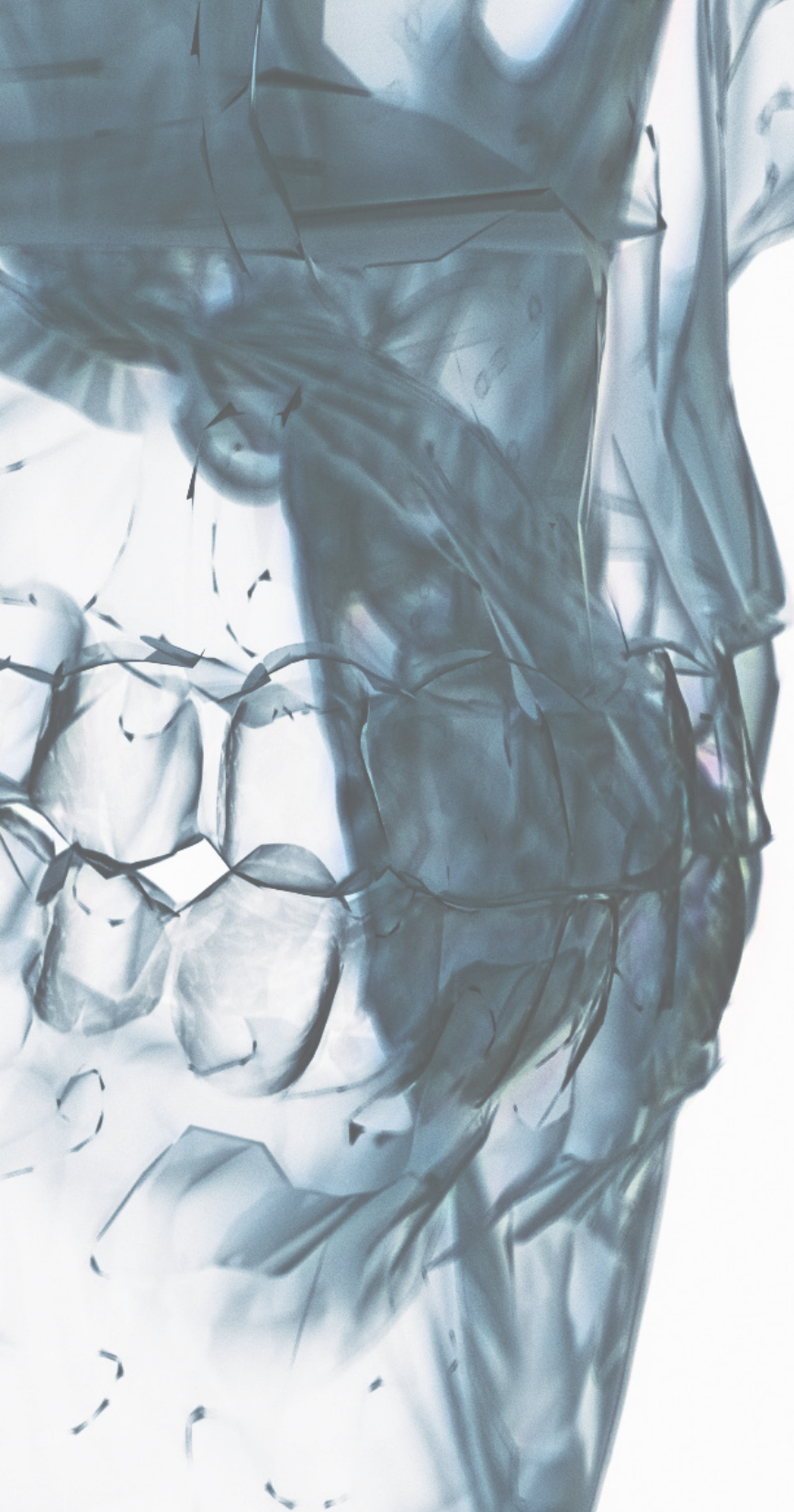
- Up to 40fps at full resolution
- 105µm pixel pitch
- Significantly improved low-dose performance\*

#### INTEGRATION

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

#### MECHANICAL

- Design for reliability
- Simple mechanical interface



## LOW DOSE PERFORMANCE

Azure 1616Z is more sensitive, providing excellent image quality at lower dose levels\*

## HIGH FRAME RATE

AZURE 1616Z allows for frame rates up to 40fps for smoother motion at full resolution

## IMAGE PROCESSING

On-board corrections for simple integration. Customer specific processing is available

## TECHNICAL INFORMATION

Scintillator .....	High Brightness CsI
Pixel Matrix (Total) .....	1536 x 1536
Pixel Pitch .....	105 $\mu$ m
Frame Rate (1 x 1) .....	40 fps
Frame Rate (2 x 2) .....	80 fps
Frame Rate ( PAN ) .....	600 fps
Active Area (Total) .....	161 x 161 mm
Interface .....	Gigabit Ethernet

\*Comparison is with Varex Imaging 1616DXT.

For more information about the 1616Z, 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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