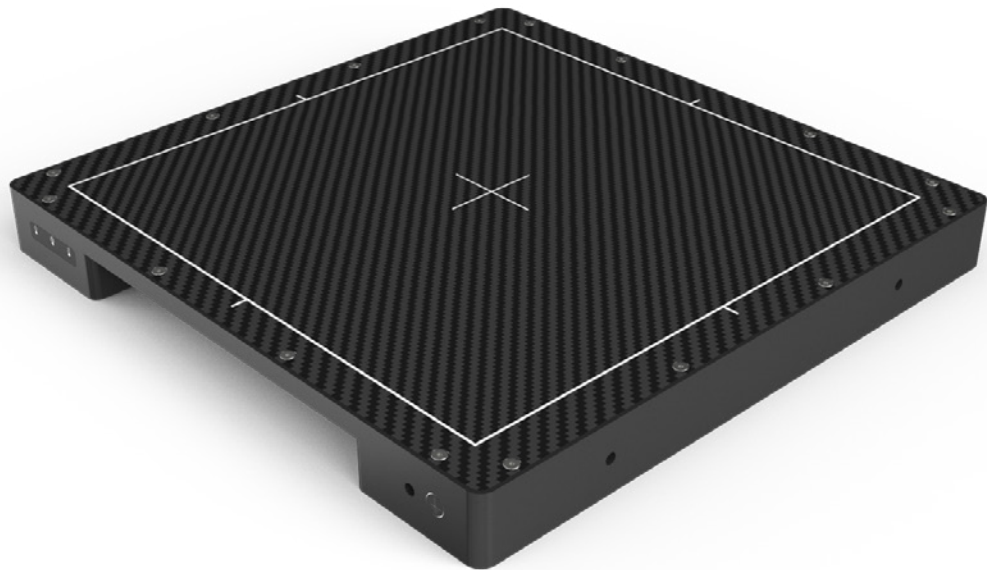


X-PANEL[®] 2323z FDM

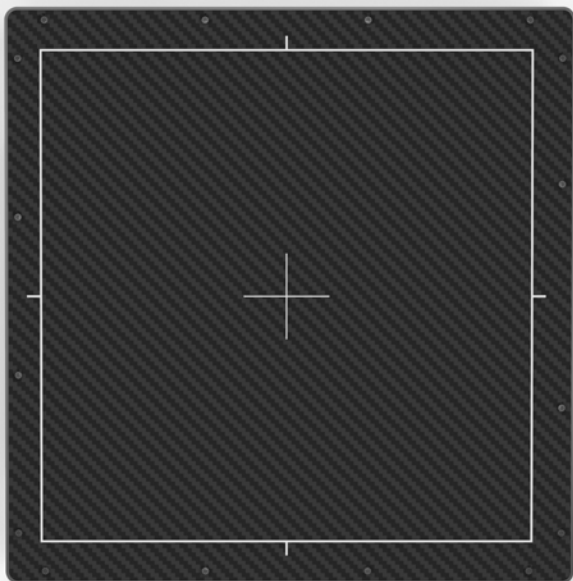


Dynamic IGZO X-ray flat panel detector



Key features

- **Technology** IGZO-TFT
- **Pixel size** 148 μm
- **Pixel matrix** 1536 x 1536
- **Pixel area** 227 mm x 227 mm
- **Interface** 10 G BASE-T
- **Frame rate** 40 fps (1x1) / 80 fps (2x2)



X-Panel 2323z FDM is a low noise X-ray flat panel detector optimized for mobile C-arm and Cone Beam Computed Tomography (CBCT) applications. It is based on Indium Gallium Zinc Oxide (IGZO) technology.

The X-Panel 2323z FDM offers excellent image quality and frame speed, as well as a large dynamic range. Additionally, it features multiple gain modes that make it compatible with both high sensitivity and large dynamic range requirements.

Technical Specifications

Parameter	
X-ray energy range	40–160 kV
Active area	227 mm x 227 mm
Pixel pitch	148 µm
Pixel matrix	1536 x 1536
Frame rate	40 fps (1x1) / 80 fps (2x2)
ADC	16 bits
Gain	7 modes
Binning	1x1, 2x2
Trigger modes	Continuous, synchronous
Sensor	IGZO-TFT
Scintillator type	CsI
Data interface	10 G BASE-T
Saturation dose	Configurable, 88 µGy @ 7.2 pC
DQE(0), @RQA5	67%
MTF	58% @ 1 lp/mm, 24% @ 2 lp/mm
Power	12~24 V, consumption <13 W
Operating system	Windows based SDK
Weight	2.8 kg

Applications

- Mobile C-arm
- Image intensifier (II) replacement
- Cone Beam Computed Tomography (CBCT)

Product outline

