

# X-PANEL<sup>®</sup> 3030z FDM

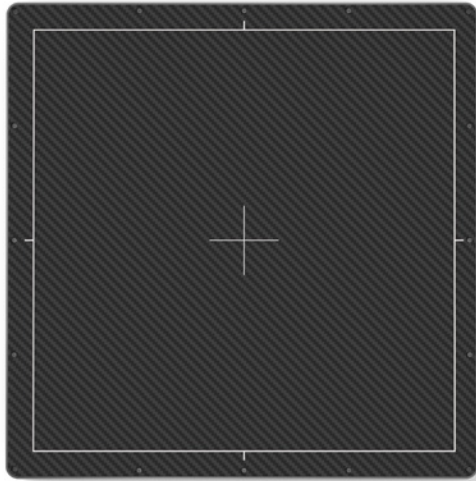


Dynamic IGZO X-ray flat panel detector



## Key features

- **Technology** IGZO-TFT
- **Pixel size** 148  $\mu\text{m}$
- **Pixel matrix** 2048 x 2048
- **Pixel area** 303 mm x 303 mm
- **Interface** 10 G BASE-T
- **Frame rate** 30 fps (1x1) / 60 fps (2x2)



**X-Panel 3030z FDM** is a low noise X-ray flat panel detector optimized for mobile C-arm, Cone Beam Computed Tomography (CBCT) and Digital Subtraction Angiography (DSA) applications. It is based on Indium Gallium Zinc Oxide (IGZO) technology.

The X-Panel 3030z 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	303 mm x 303 mm
Pixel pitch	148 μm
Pixel matrix	2048 x 2048
Frame rate	30 fps (1x1) / 60 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 <17.5 W
Operating system	Windows based SDK
Weight	4.5 kg

## Applications

- Mobile C-arm
- Cone Beam Computed Tomography (CBCT)
- Digital Subtraction Angiography (DSA)

# Product outline

