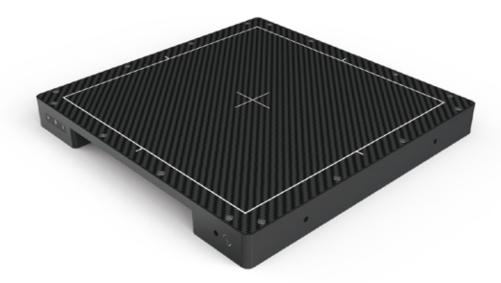
## X-Panel 2323z FDM-TG



## IGZO X-ray flat panel detector



## **Key Features**

- Embedded image calibration feature for easy integration
- Pixel size 148 µm
- Low-noise, excellent dynamic image even at a low dose
- High speed without image delay
- The frame rate of Max. 30 fps (1x1) and Max. 61 fps (2x2)
- Cost saving

X-Panel 2323z FDM-TG is a 23 x 23 cm fixed type, dynamic flat panel detector based on Indium Gallium Zinc Oxide technology. The advanced IGZO TFT with CsI Scintillator provides an ultra low-noise image at a low dose and a high acquisition frame rate. It features excellent sensitivity and high dynamic range modes. X-Panel 2323z FDM-TG structural design effectively reduces the bending radius of the detector outlet, shortening the wiring space for easy installation and integration of systems. It performs well in C-arm systems, image intensifier replacement and upgrade.

**Technical Specifications** 

Technology	
Sensor	IGZO
Scintillator	Csl
Active Area	227 x 227 mm
Pixel Matrix	1536 x 1536
Pixel Pitch	1350 X 1350
AD Conversion	16 bits
	TO DILS
Interface	
Data Interface	10G Ethernet
Exposure Control	Pulse Sync In / Pulse Sync Out
Work Mode Frame Speed	Software Mode / HVG Sync Mode / FPD Sync Mode
Operating System	30 fps (1x1) / 61fps (2x2) Windows7 / Windows10 OS 32 bits or 64 bits
	WINDOWS / / WINDOWS TO OS 32 DILS OF 64 DILS
Technical Performance	2.271.4
Resolution	3.37 lp/mm
Energy Range	40~160 KV
Lag	0.8% @ 1st frame
Dynamic Range	≥88dB
Sensitivity	740 lsb/uGy
SNR	50 dB @ (20000lsb)
MTF	70% @ (1 lp/mm)
	42% @ (2 lp/mm)
DOF (2.6.)	23% @ (3 lp/mm)
DQE (2uGy)	68% @ (0 lp/mm) 43% @ (1 lp/mm)
	28% @ (2 lp/mm)
	20% & (2 lpmin)
Mechanical	
Dimension(H x W x D)	268 x 265 x 28 mm
Weight	2.8 Kg
Sensor Protection Material	Carbon Fiber
Housing Material	Aluminum Alloy
Environmental	
Temperature Range	10~35°C (operating);-10~50°C (storage)
Humidity	30~70% RH (non-condensing)
Vibration	IEC 60068-2-6 Operation: 0.7G, 10-150Hz
Shock	IEC 60068-2-27 Operation: 2G, duration 11ms
Dust and Water Resistant	IPX0
Power	
Supply	100~240 VAC
Frequency	50/60 Hz
Consumption	13 W
82 82	
4	4
† LL	T .
2:MOUNTING HOLES M5-0.8:4mm DEEP	
268.2	_ 28 _
20.4 — 14 — MARGIN 227.3(ACTIVE AERA)	14 6 ASMOUNTING HOLES 16 MS-0.9-Ramm DEEP 16
	MS-0.8×8mm DEEP
WWGIN WOOD	8 23 9
\$ 100 P	
	●
9 9 9	
44CTIVE	
265 2227 39ACTIVE AERA)	
265 22734ATIVE	— 2>MOUNTING HOLES MS-0.8×4mm DEP
265 22734ATINE	— 2-MOUNTING HOLES MS-0.8×4fmm DEEP
	M5-0.8-4mm DEEP
	25/MOUNTING HOLES MS-0.8-4/mm DEEP
	M5-0.8-4mm DEEP
	M5-0.8-4mm DEEP
CHASSIS GROUND—MS-0.824mm DEEP THREADED HOLE	M5-0.8×dmm DEEP
CHASSIS GROUND MS-0.874mm DEEP THREADED HOLE	M5-0.8×dmm DEEP
CHASSIS GROUND MS-0.824mm DEEP THREADED HOLE  MOCIONO 31 31	MS-0.8-4mm DEEP    MS-0.8-4mm DEEP
CHASSIS GROUND MS-0.874mm DEEP THREADED HOLE	MS-0.8-4dmm DEEP  14  6 58.1  152