X-Panel 3030z FDM-TG-X



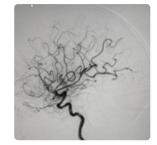
IGZO X-ray flat panel detector



Key Features

- •Embedded image calibration feature for easy integration
- •Pixel pitch 99 µm
- •Low-noise, excellent dynamic image even at a low dose
- High speed without image delay
- •The frame rate of Max. 40 fps (1x1) and Max. 80 fps (2x2)
- •Direct deposition Cesium Iodide (CsI) Scintillator effectively
- reduces light scattering between pixels

X-Panel 3030z FDM-TG-X is a 30 x 30 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 for high-end applications including cardiac and cerebral angiography. X-Panel 3030z FDM-TG-X 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 DSA angiography.





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Technical Specifications

Sensor	ology		
	ыору		IGZO
Scintilla	tor		Csl
Active A	vrea		304 x 304 mm
Pixel Ma	atrix		3072 x 3072
Pixel Pit	:ch		99 µm
AD Con	version		16 bits
Interf	ace		
Data Int			10G Ethernet
Exposu	re Control		Pulse Sync In / Pulse Sync Out
Work M			Software Mode / HVG Sync Mode / FPD Sync Mode
Frame S Operati	speed ing System		40 fps (1x1) / 80fps (2x2) Windows7 / Windows10 OS 32 bits or 64 bits
			Windows77 Windows10 03 32 bits of 04 bits
	ical Performance		
Resolut			5.0 lp/mm
Energy	Range		40~160 KV
Lag			0.8% @ 1st frame ≥76 dB
	ic Range		
Sensitiv	lty		360 lsb/uGy
SNR			47 dB @ (20000lsb)
MTF			75% @ (1 lp/mm) 48% @ (2 lp/mm)
			29% @ (3 lp/mm)
DQE (2			66% @ (0 lp/mm)
DQE (2	_uuy)		38% @ (1 lp/mm)
			21% @ (2 lp/mm)
Mecha			
	ion(H x W x D)		344 x 341 x 28 mm
Weight			5.0 Kg
	Sensor Protection Material		Carbon Fiber
Housing	g Material		Aluminum Alloy
Enviro	onmental		
Temper	rature 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	Shock		IEC 60068-2-27 Operation: 2G, duration 11ms
Dust ar	nd Water Resistant		IPX0
Power	r		
Supply			100~240 VAC
Frequency			50/60 Hz
Consumption			22 W
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