

# X-Panel 3025a FSM-QG



a-Si X-ray flat panel detector



## Key Features

- 140  $\mu\text{m}$  pixel pitch
- Excellent sensitivity and high dynamic range modes
- ROI area scan function can replace the linear array detector
- CSI scintillator offers lower dose and high image quality

X-Panel 3025a FSM-QG is a fixed type and low noise X-ray flat panel detector based on a-Si technology that features excellent sensitivity and high dynamic range modes among other benefits. X-Panel 3025a FSM-QG has good image quality and a large dynamic range. It is an optimal solution for dental CBCT application .



# Technical Specifications

Technology	
Sensor	a-Si
Scintillator	CsI / GOS
Active Area	250 x 286 mm
Pixel Matrix	1792 x 2048
Pixel Pitch	140 μm
AD Conversion	16 bits
Interface	
Data Interface	2.5G Ethernet
Exposure Control	Pulse Sync In / Pulse Sync Out
Image Acquisition Time	≤1s
Operating System	Windows7 / Windows10 OS 32 bits or 64 bits
Technical Performance	
Resolution	3.5 lp/mm
Energy Range	40~160KV
Lag	0.8% @ 1st frame
Dynamic Range	≥86 dB
Sensitivity	540 lsb/uGy
SNR	48 dB @ (20000lsb)
MTF	72% @ (1 lp/mm) 44% @ (2 lp/mm) 25% @ (3 lp/mm)
DQE (2uGy)	64% @ (0 lp/mm) 41% @ (1 lp/mm) 28% @ (2 lp/mm)
Mechanical	
Dimension(H x W x D)	318.5 x 288 x 34 mm
Weight	4.3 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

