Whale1313FOI



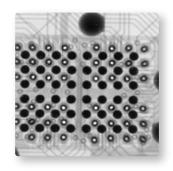
a-Si X-ray flat panel detector



Key Features

- •85 µm 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

Whale 1313 FOI is a 12.9 x 12.9 cm 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. Whale 1313 FOI has good image quality and a large dynamic range. It is an optimal solution in SMT and battery inspection .





Technical Specifications

Technology	
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Sensor	A-Si
Scintillator	CSI / GOS
Active Area	129 x 129 mm
Pixel Matrix	1536 x 1536
Pixel Pitch	85 μm
AD Conversion	16 bits
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Interface	
Data Interface	2.5G Ethernet
Exposure Control	Pulse Sync In / Pulse Sync Out
Frame Speed	25fps(1x1)
Operating System	Windows7 / Windows10 OS 32 bits or 64 bits
Technical Performance	
	F O la /maga
Resolution	5.9 lp/mm
Energy Range	40~160KV
Lag	0.8% @ 1st frame
Dynamic Range	≥75 dB
Sensitivity	420 lsb/uGy
SNR	45 dB @ (20000lsb)
MTF	78% @ (1 lp/mm)
	49% @ (2 lp/mm)
	31% @ (3 lp/mm)
DQE (2uGy)	58% @ (0 lp/mm)
545 (200j)	43% @ (1 lp/mm)
	29% @ (2 lp/mm)
	25% @ (2 lp/11111)
Mechanical	
Dimension(H x W x D)	176 x 176 x 35 mm
Weight	1.5 kg
Sensor Protection Material	Carbon Fiber
Housing Material	Aluminum Alloy
i lousing Material	Aluminum Alloy
Environmental	
Temperature Range	10~35°C (operating);-10~50°C (storage)
Humidity	30~70% RH (non-condensing)
Vibration	IEC/EN 60721-3 class 2M3 (10~150 Hz, 0.5 g)
Shock	
Dust and Water Resistant	IEC/EN 60721-3 class 2M3 (11 ms, 2 g)
Dust and Water Resistant	IPX0
Power	
Supply	
	100~240 VAC
	100~240 VAC
Frequency	50/60 Hz
Frequency Consumption	
Frequency Consumption	50/60 Hz 8 W
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Frequency Consumption 28 28 28 28 28 28 28 28 28 2	50/60 Hz 8 W
Frequency Consumption	50/60 Hz 8 W
Frequency Consumption 28 28 2-24MOUNTING HOLES MS-0.89-4mm DEEP	50/60 Hz 8 W
Frequency Consumption 28 28 22MOUNTING HOLES MG-0.894mm DEEP	50/60 Hz 8 W
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Frequency Consumption 28 28 28 2-24MOUNTING HOLES MS-0.8-4mm DEEP 176 129.022/ACTIVE AERA)	50/60 Hz 8 W
Frequency Consumption 28 28 28 28 28 28 28 28 28 2	50/60 Hz 8 W
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Frequency Consumption 28 28 28 28 2AMOUNTING HOLES MG-0.8-4mm DEEP 176 129.0Z/ACTIVE AERA) 23.5(MARGIN) 22-MOUNTING HOLES	50/60 Hz 8 W
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Frequency Consumption 28 28 28 28 28 28 28 28 28 2	50/60 Hz 8 W 24MOUNTING HOLES- M5-0.8×4mm DEEP 22MOUNTING HOLES- M5-0.8×4mm DEEP 235 18 29 29 29 29 29 29 29 29 29 29 29 29 29
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Frequency Consumption 28 28 28 28 28 28 28 29 29 20 20 20 20 20 20 20 20	50/60 Hz 8 W 2-MOUNTING HOLES MS-0.8-4mm DEEP 4-MOUNTING HOLE MS-0.8-6mm DEEP
Frequency Consumption 28 28 28 28 28 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	50/60 Hz 8 W 2xMOUNTING HOLES MS-0.8x4mm DEEP 2xMOUNTING HOLES MS-0.8x4mm DEEP 2xmounting Holes 4x1 4x2 4x3 4x4 4x4 4x4 4x4 4x4 4x4
Frequency Consumption 28 28 28 28 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	50/60 Hz 8 W 2-MOUNTING HOLES MS-0.8-4mm DEEP 2-MOUNTING HOLES MS-0.8-4mm DEEP 2-MOUNTING HOLES MS-0.8-4mm DEEP
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Frequency Consumption 28 28 28 28 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	50/60 Hz 8 W 2-MOUNTING HOLES MS-0.8-4mm DEEP 2-MOUNTING HOLES MS-0.8-4mm DEEP 2-MOUNTING HOLES MS-0.8-4mm DEEP 2-MOUNTING HOLES MS-0.8-4mm DEEP
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