



Cassette size a-Si Mammography Detector

Mammo 1012C

- | 85 μ m pixel pitch with 16-bit ADC |
- | 3mm chest wall |
- | Reliable AED function |
- | Compact design for easy integration |

IMAGING THE FUTURE

The Mammo1012C is a digital FPD detector with Amorphous Silicon TFT sensor technology. It is designed with the compact outline in order to retrofit the analog mammography system to digital. Mammo1012C has a quite large active area of 235x290cm with 85 μ m pixel pitch. The employed CsI scintillator makes the Mammo1012C achieve a special high DQE and MTF. The detector provides AED function via the specialized sensor to detect the X-ray for activating the FPD, and is also compatible with the existed AEC function of the analog mammography system. Mammo1012C supports FFDM applications.

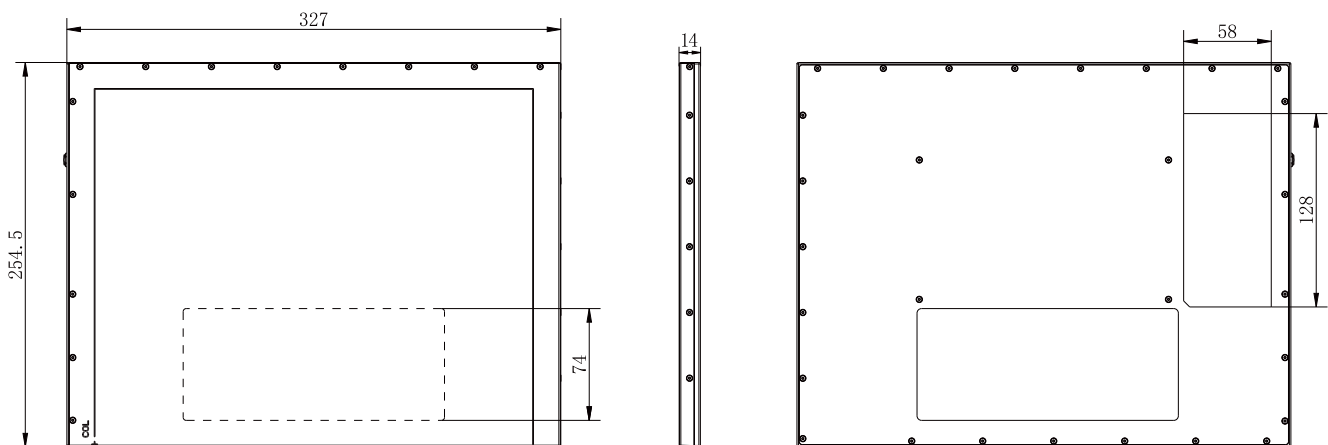
Technical Specifications

Mammo 1012C

Detector Technology	Amorphous Silicon
Scintillator	CsI
Active Area (mm)	235 × 290
Pixel Matrix	2762 × 3408
Pixel Pitch (μm)	85
Spatial Resolution (lp/mm)	6
Effective active area (mm)	> 235 × 290
AD Conversion (bit)	16
Dynamic Range (dB)	> 76
Chest Wall Distance (mm)	≤ 3
Data Interface	GigE
Trigger Mode	Software / AED
Dimensions (mm ³)	327 × 254.5 × 14
Weight (kg)	≤ 1.3
Power Dissipation (W)	≈ 18
Operating Temperature (°C)	10 ~ 40
Storage & Transport Temperature with Package (°C)	-10 ~ 55
Operating Humidity (% RH)	10 ~ 90 (Non-Condensing)
Storage & Transport Humidity with Package (% RH)	10 ~ 95 (Non-Condensing)

Dimensions

Unit : mm


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