



Digital Dynamic Flat Panel Detector

Mercu 1717V3

- | Proven radiation-hard a-Si sensor design |
- | Direct deposition CsI scintillator |
- | Cassette-sized dynamic |
- | 17 × 17-inch imaging area |
- | 139 μm pixel pitch with 16-bit ADC |

IMAGING THE FUTURE

Mercu 1717V3 is a digital dynamic amorphous silicon flat panel detector for the diagnosis of X-ray medical systems. It is based on the patented Amorphous Silicon TFT sensor and needles directly deposited CsI: TI technique of iRay Technology. Mercu 1717V3 allows radiologists to perform general radiography exams (bones, lungs) or to carry out fluoroscopic exams, in particular for gastrointestinal, tomography, CBCT, urology, orthopedics.

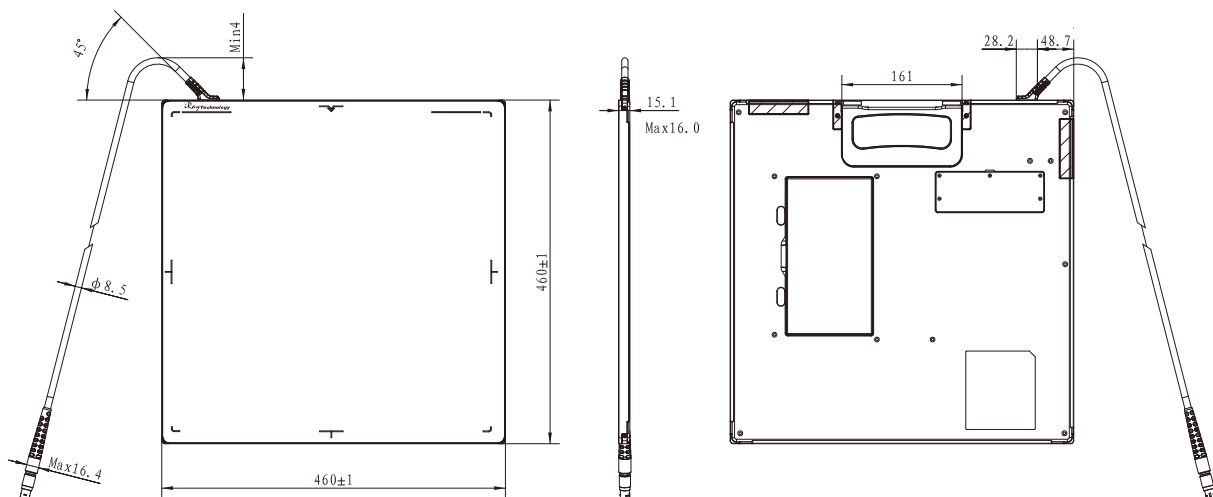
Technical Specifications

Mercu 1717V3

Detector Technology	Amorphous Silicon
Scintillator	CsI
Active Area (inch)	17 × 17
Pixel Matrix	3072 × 3072
Pixel Pitch (μm)	139
AD Conversion (bit)	16
Frame Rate (fps)	5 (1×1) 20 (2×2) 30 (3×3)
Data Interface	GigE
Energy Range (kV)	40 ~ 150
X-ray Exposure	Continuous and Pulse
Dimensions (mm ³)	460 × 460 × 16
Weight (kg)	4
Power Dissipation (W)	25
Operating Temperature (°C)	10 ~ 35
Operating Humidity (% RH)	-10 ~ 50
Storage & Transport Temperature with Package (°C)	20 ~ 90 (Non-Condensing)
Storage & Transport Humidity with Package (% RH)	10 ~ 95 (Non-Condensing)

Dimensions

Unit: mm



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