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Venu1717X Product Specification

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1. Product Description and Feature

Venu1717X is a typical wired 17x17 cassette-size flat panel detector designed for Human used digital radiography.

- Fast workflow
- More image details
- Excellent image quality
- Cassette-size flat panel detector

2. Basic Technical Specification

Detector Technology	Amorphous Silicon
Scintillator	CsI
Active Area	427mm x 427mm
Number of Pixels	3072 x 3072
Pixel Pitch	139 um
AD Conversion	16 bit
Trigger Mode	AED (Optional) /Software/Prep
Data Interface	Wired (Compound Cable)
Dimension	460mm*460mm*15.4mm
Weight	4.0kg(without cable)
Cable	Compound Cable:6M\15M
Weight Capacity	150kg uniformly

3. Image Performance

	Typ. Value	Min. Value
Sensitivity(LSB/uGy)	750	600
Maximum Linear Dose(uGy)	65	55
MTF @ 0 LP/mm	1	1
MTF @ 0.5 LP/mm	87%	84%
MTF @ 1.0 LP/mm	70%	68%
MTF @ 1.5 LP/mm	56%	52%
MTF @ 2.0 LP/mm	43%	38%

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MTF @ 2.5 LP/mm	32%	28%
MTF @ 3.0 LP/mm	24%	20%
MTF @ 3.5 LP/mm	17%	14%
DQE @ 0 LP/mm(2.5uGy@RQA5)	66%	60%
DQE @ 0.5 LP/mm(2.5uGy@RQA5)	57%	50%
DQE @ 1.0 LP/mm(2.5uGy@RQA5)	48%	42%
DQE @ 1.5 LP/mm(2.5uGy@RQA5)	41%	35%
DQE @ 2.0LP/mm(2.5uGy@RQA5)	35%	28%
DQE @ 2.5LP/mm(2.5uGy@RQA5)	28%	22%
DQE @ 3.0LP/mm(2.5uGy@RQA5)	21%	15%
DQE @ 3.5LP/mm(2.5uGy@RQA5)	14%	10%

4. Workflow

Trigger Mode	AED (Optional) /Software/Prep
Preview Acquisition Time	Typ.3s
Full Image Time	Typ.5s
Cycle Time	Typ.8s

5. Environmental Requirement

Operating Temperature	5℃~35℃
Storage & Transport Temperature	-10℃~55℃
Operating Humidity(no condensing)	30%~80%
Storage & Transport Humidity(no condensing)	10%~90%
Operating Atmospheric Pressure	700mbar~1060mbar
Storage & Transport Atmospheric Pressure	700mbar~1060mbar

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6. Detector Reference Drawing

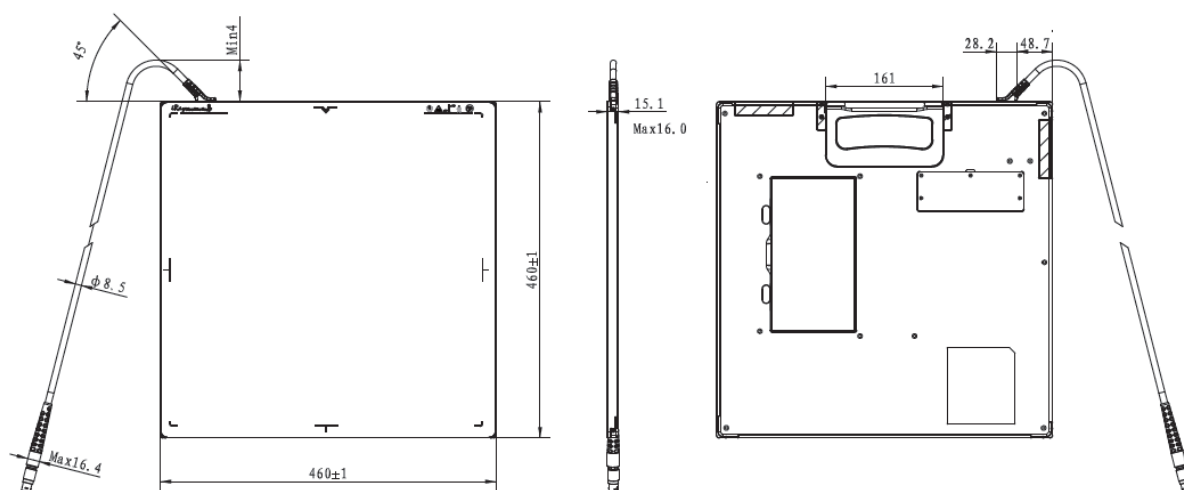


Fig1. Detector Mechanical Outline (unit:mm)