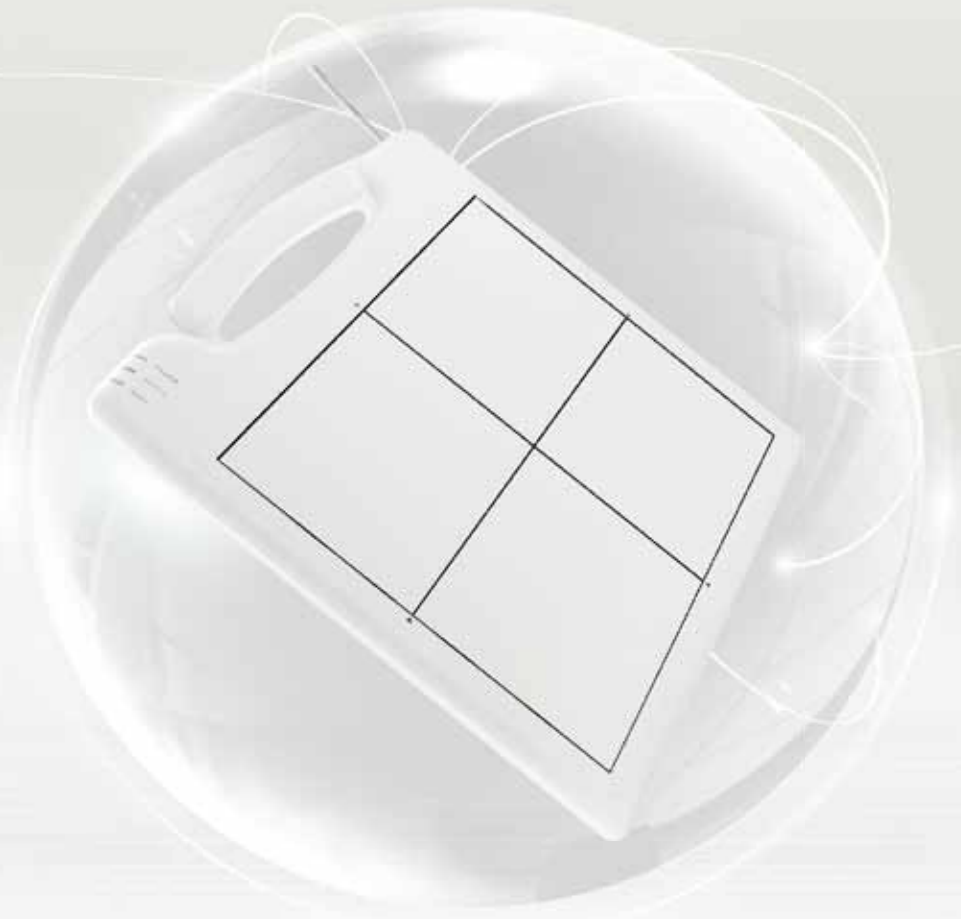


# Venu1417

Amorphous Silicon Flat Panel Detector



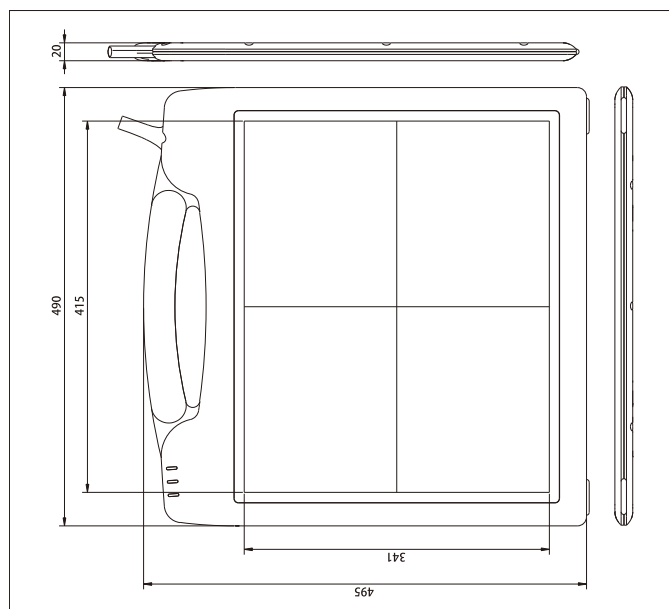
**~~IMAGING THE FUTURE~~**

## Characteristics

IRAY'S portable static flat panel with 150 $\mu$ m Pixel Pitch, 60 dB SNR and HSR technology (High Speed Readout, full resolution image acquisition is less than 0.8 second). This flat panel has equipped with unique Traceless Automatic Exposure Control function. It can be used for general radiographic applications especially Mobile DR Systems and DR Upgrade. It's feasible for Tomosynthesis and Energy Subtraction applications.

## Technical Specifications

Receptor Type	Amorphous Silicon	MTF	@1 lp/mm: 0.5 (GOS) 0.7 (Csl) @2 lp/mm: 0.2 (GOS) 0.3 (Csl)
Scintillator	Csl or GOS	DQE(0)(RQA5, 1 $\mu$ Gy)	0.38 (GOS) 0.73 (Csl)
Active Area	34.6cm x 42.0cm	SNR under 75% Saturation Dose	57dB
Pixel Matrix	2304x2800	Shock	High-shock tolerance
Pixel Pitch	150 $\mu$ m	Operation Temperature (at back cover)	10~40 $^{\circ}$ C
Limiting Resolution	3.3 lp/mm	Storage Temperature (Ambient)	-20~70 $^{\circ}$ C
A/D Conversion	14-bit	Operation Humidity (at back cover)	10~90%
Minimum Time to Acquire Full Image after Exposure	0.8 second	Storage Humidity (Ambient)	10~90%
Data Output	Gigabit Ethernet	Dimensions	490 x 495 x 20mm
Configuration Interface	Gigabit Ethernet/RS232	Weight	4.5kg
X-ray Inner Trigger	Sync-Shot	Housing Material	Carbon fiber palte and aluminum
Automatic Exposure Control	T-AEC	Power	25W
Sensitivity	8.5nGy/digital count (GOS) 5nGy/digital count (Csl)	Input Voltage	100~240VAC/47~63Hz
Maximum Linear Dose	135 $\mu$ Gy (GOS), 100 $\mu$ Gy (Csl)	Software	iDemo
Minimum Detectable Dose	25 nGy (GOS), 17nGy (Csl)		



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