

PEDRA™ DR Detectors

RadiSen



PEDRA 17F Series
Wired Slim Flat Panel Detector
for Digital Radiography!

PEDRA 1417M Series
Portable wifi Flat Panel Detector
for Digital Radiography!

PEDRA 1717DT Series
Superior-quality Dynamic Panel Detector for
Radiography and Fluoroscopy!

Model & Parameters		PEDRA-17F		PEDRA-1417M		PEDRA-1717DT	
		PEDRA -17FG	PEDRA -17FC	PEDRA -1417MG	PEDRA -1417MC	PEDRA -1717DTG	PEDRA -1717DTC
Scintillator		Gd ₂ O ₂ S:Tb	CsI:Tl	Gd ₂ O ₂ S:Tb	CsI:Tl	GD ₂ O ₂ S:Tb	CsI:Tl (Direct)
Sensor	Pixel size	140um, a-Si TFT active matrix with PIN diode				140um, IGZO TFT active matrix with PIN diode	
	Pixel Matrix	3072 x 3072		2500 x 3052		3072 x 3072	
	Effective Area	427.8 x 427.8 mm		347.8 x 425.04mm		427.8 x 427.8 mm	
	Effective Array	3056 x 3056		2484 x 3036		3056 x 3056	
Image performance	Spatial Resolution	3.4 lp/mm					
	ADC Resolution	16 bits					
	Grayscale	65536 grayscales					
	x-ray voltage Range	40 ~ 150 Kvp					
	X-ray Generator Interface	Line Trigger(Manual)/ Auto Trigger(AED Mode)					
Mechanical	Shot Mode	Single / Multi				Continuous/Pulsed	
	Weight	3.40 Kg	3.50 kg	3.0 Kg	3.2 kg	3.40 Kg	3.50 kg
	Dimensions	Meet ISO4090 for cassette size (460x460x15mm)		Meet ISO4090 for cassette size (384x460x15mm)		Meet ISO4090 for cassette size (460x460x15mm)	
Maximum Frame Rate		-		-	12 fps @ 1x1 (3052 x 3052) 25 fps @ 2x2 (1536 x 1536) NBIC 25 fps @ 2x2 (3052 x 3052) BIC 18 fps @ 1x1 (2048 x 2048) FOV-1 25 fps @ 1x1 (1536 x 1536) FOV-2 38 fps @ 1x1 (1024 x 1024) FOV-3 35 fps @ 1x1 (2560 x 1024) FOV-4 75 fps @ 1x1 (512 x 512) FOV-5		
Communications	Wired	Giga Ethernet (1000BaseT)					
	Wireless	-		IEEE802.11n/2.4 or 5Gbps		-	
	Sync. Out Port	2 port / TTL(0~5.0V)					
	Operation Software (Console S/W)	Window 7,8,10 Support for 32/64bits Windows					
	Wired	DC +15V					
	Wireless	-		Max. 1 Pack(Battery/11.8V/ 4 hour)		-	
Power / Environment	Environment	T(10~+40)/H(20 ~ 75%)/P(70~106KPa)					

※ Specification s are subject to change without prior notice.