



CareView[®] 1800Le

Wired Flat Panel Detector



Excellent Image

Direct Deposited CsI
1717 Active Area



Advanced
Technology

Full-Field Automatic
Exposure Detection
Technology



Wide Dynamic
Range

Highly detailed
diagnostic imaging



High Resolution
Capability

140µm pixel design
73% MTF @3Lp/mm

Specifications

Sensor				
Panel	Amorphous Silicon Active TFT/Diode Array			
Scintillator	Direct Deposit CsI:Tl			
Active Area	430mm x 430 mm			
Image Matrix Size	3072 x 3072			
Pixel Pitch	140 μm			
A/D Conversion	16 bits			
Image Performance				
DQE(Typical)	71% @(0 Lp/mm)	59% (@0.5 Lp/mm)	55% (@1 Lp/mm)	42% (@1.5 Lp/mm)
	34% @(2 Lp/mm)	28% (@2.5Lp/mm)	23% (@3 Lp/mm)	14% (@3.5 Lp/mm)
MTF(Typical)	73% @(1 Lp/mm)	44%(@2 Lp/mm)	26% (@3 Lp/mm)	19% (@3.5 Lp/mm)
Spatial Resolution	3.57Lp/mm			
Max. Linear Dose	70uGy			
Dynamic Range	>80 dB			
Communication				
Data Interface	Gigabit Ethernet			
Acquisition Time	2s-4s			
Trigger Type	AED/Manual Sync/Soft Sync/External Sync			
Environmental				
Temperature Range	5 °C~ 35 °C (Operating) , -20 °C ~ 55 °C (Storage)			
Humidity Range	30% ~ 75% RH (Non-condensing) (Operating) , 10% ~ 90% RH (Non-condensing) (Storage)			
Mechanical				
Weight	~3.9 kg			
Size	460 mm×460 mm×15 mm			
Housing	Anodized Aluminum Alloy			
Power				
Power Consumption	Max. 45W			
Power Supply	100-240V			
Frequency	50/60Hz			

Dimensions

