

CareView® 1800Le Specifications

Sensor	
Scintillator	Direct Deposit CsI:TI
Active Area	434 x 434 mm
Pixel Array	2816 x 2816
Pixel Pitch	140 µm
Image Quality	
Limiting Resolution	3.25 lp/mm
MTF	70%... .. (@ 1 lp/mm)
	40% (@ 2 lp/mm)
	22% (@ 3 lp/mm)
DQE	(RQA5,27µGy)
	~ 65% (@ 0 lp/mm)
	~ 20%... .. (@ 3lp/mm)
Sensitivity	~ 0.62 ct/nGy
Response Non-linearity	<± 0.5 %
Maximum Linear Dose	>95 µGy
Dark Noise	~ 8 nGy
Dynamic Range	~ 82 dB
A/D Conversion	16 bits
Communication	
Communication interface	Gigabit Ethernet
Image Acquisition Time	2-3 Sec
Exposure Control	F ² AED
	Manual Sync
	External Sync

Environmental	
Operating	
Temperature Range	5°C-35°C
Humidity Range (Non-condensing)	30% - 75% RH
Storage	
Temperature Range	-20°C-55°C
Humidity Range (Non-condensing)	10% - 90% RH
Mechanical	
Dimension	460 x 460 x 15 mm
Weight	3.4 kg
Housing Material	Carbon Fiber (Front)
	High Strength Aluminum Alloy(Back)
Power	
Maximum Power (standby/ operating)	< 8W / 20W
Power Supply	100-250V AC
Frequency	50 / 60 Hz
Regulatory	
FDA	K153492
CE	HD601077350001
UL	E464810

