

Clear Vision REF series



Specifications

Sensor	750CW	1500CW
Scintillator	Direct Deposit CsI:TI	Direct Deposit CsI:TI
Active Area	307.2 x 244.32 mm	433.7 x 354.8mm
Pixel Array	2560 x 2048	2816 x 2304
Pixel pitch	120 µm	154 µm
Image Quality		
Limiting Resolution	4.16 lp/mm	3.25 lp/mm
MTF	70% ... (@ 1 lp/mm)	70% ... (@ 1 lp/mm)
	40% ... (@ 2 lp/mm)	40% ... (@ 2 lp/mm)
	25% ... (@ 3 lp/mm)	22% ... (@ 3 lp/mm)
	15% ... (@ 4 lp/mm)	
DQE	(RQAS, 14µGy) ~ 70% ... (@ 0 lp/mm)	(RQAS, 27µGy) ~ 65% ... (@ 0 lp/mm)
	~ 40% ... (@ 3 lp/mm)	~ 20% ... (@ 3 lp/mm)
A/D Conversion	16 bits	16 bits
Communication		
Communication interface	Gigabit Ethernet 2.4G/5GHz, 300 Mbps	Gigabit Ethernet 2.4G/5GHz, 300 Mbps
Image Acquisition Time	2-3 sec	2-3 sec (wired) 4-5 sec (wireless)
Exposure control	FPAED Manual Sync	FPAED Manual Sync
Mechanical		
Dimension	333 x 268 x 15 mm	460 x 384 x 15 mm
Weight	2.3 kg	3.7 kg
Power		
Maximum Power (standby/ operating)	< 8W / 17W	< 8W / 20W
Power Supply	100-250V AC	100-250V AC
Frequency	50 / 60 Hz	50 / 60 Hz
Battery	3260 mAh, 14.8V	3260 mAh, 14.8V



1500L	1800CW	1800L
Direct Deposit CsI:TI	Direct Deposit CsI:TI	Direct Deposit CsI:TI
433.7 x 354.8mm	433.5 x 433.5 mm	434 x 434 mm
2816 x 2304	2816 x 2304	2816 x 2816
154 µm	154 µm	154 µm
3.25 lp/mm	3.25 lp/mm	3.25 lp/mm
70% ... (@ 1 lp/mm)	70% ... (@ 1 lp/mm)	70% ... (@ 1 lp/mm)
40% ... (@ 2 lp/mm)	40% ... (@ 2 lp/mm)	40% ... (@ 2 lp/mm)
22% ... (@ 3 lp/mm)	22% ... (@ 3 lp/mm)	22% ... (@ 3 lp/mm)
(RQAS, 27µGy) ~ 65% ... (@ 0 lp/mm)	(RQAS) ~ 65% ... (@ 0 lp/mm)	(RQAS, 27µGy) ~ 65% ... (@ 0 lp/mm)
~ 20% ... (@ 3 lp/mm)	~ 33% ... (@ 3 lp/mm)	~ 20% ... (@ 3 lp/mm)
16 bits	16 bits	16 bits
Gigabit Ethernet 2.4G/5GHz, 300 Mbps	Gigabit Ethernet 2.4G/5GHz, 300 Mbps	Gigabit Ethernet
2-3 sec	2-3 sec (wired) 4-5 sec (wireless)	2-3 sec
FPAED Manual Sync External Sync	FPAED Manual Sync	FPAED Manual Sync External Sync
460 x 384 x 15 mm	460 x 460 x 15 mm	460 x 460 x 15 mm
3.4 kg	4 kg	3.4 kg
< 8W / 20W	< 8W / 20W	< 8W / 20W
100-250V AC	100-250V AC	100-250V AC
50 / 60 Hz	50 Hz	50 / 60 Hz
	3260 mAh, 14.8V	