

NIR & Pyroelectric IR Cameras for use with Laptop or Desktop PC

Item	Specification		
Camera	Sensor Unlimited SU-320M	Sensor Unlimited SU-320MS	Spiricon Pyrocam III
Application	NIR wavelengths	NIR wavelengths	For specifications see Pyrocam section
Spectral Response	900-1700nm	900-1700nm	
Maximum beam size	9.4mm	6.3mm	
Pixel spacing	40µm x 40µm	25µm x 25µm	
Number of effective pixels	320 x 240	320 x 256 pixels	
Minimum system dynamic range	60dB	66dB	
Linearity with Power	±5%	±5%	
Accuracy of beam width	±5%	±5%	
Frame rates	30Hz at 12-bits	30Hz at 12-bits	
Shutter duration	N/A	129µs - 16.3ms	
Gain control	1X - 14X	1X - 14X	
Trigger	No	External TTL	
Photodiode trigger	Consult Factory	Consult Factory	
Saturation intensity	1.3µW/cm ² at 1.55µm	13µW/cm ² at 1.55µm	
Lowest measurable signal	<5x10 ⁹ photons/cm ² -s	<5x10 ⁹ photons/cm ² -s	
Damage threshold	0.15 W/cm ²	0.15 W/cm ²	
Dimensions and CCD recess	2.0" x 2.4" x 3.7" C-mount	2.0" x 2.4" x 3.7" C-mount	
Operation mode	X - Y scanned	X - Y scanned	
Software supported	LBA	LBA	

Laser Power & Energy

Heads

Displays

Beam Profile Wavelength

OEM Products