

DETECTOR	IRC906	IRC906HS	IRC910	IRC912
Detector type	Indium Antimonide (InSb)			
Spectral response	<1.0 μm to 5.3 μm			
Resolution (pixels)	640 x 512		1024 x 1024	1280 x 1024
Pixel pitch	20 μm	12 μm	25 μm	12 μm
IMAGING ELECTRONICS				
Image Data Stamp	Optional IRIG, GPS with on-board receiver			
Frame rate @ max window size	119 Hz	475 Hz	76 Hz	119 Hz
Integration time	<150 ns to full frame			
Dynamic range	14-bit with 13-bit option to increase frame rate at small window sizes			
Windowing	User defined in 4 x 1 increments; min width = 320, min height = 32			
Integration type	Snapshot, automatic selection of integrate while read or integrate then read			
Ultra low latency sync	Sync I/O, integration out			
Image data	Simultaneous CameraLink, GigE & HDMI			
Communications	Serial over Camera Link & GigE			
Software control	Cross platform GenICam compliant			
PERFORMANCE				
Temperature measurement range	-20° to 350° C standard, up to 2000° C optional			
NEdT	18 mK	<30 mK	18 mK	< 30 mK
Well capacity (electrons)	7 M	2 M	10 M	2 M
Operability	99.8 %	99.6 %	99.6 %	99.6 %
OPTICS				
Camera f/#	f/2.3, & f/4.0 standard; custom cold shields available on request			
Cold filter	3.0 μm - 5.0 μm or no cold filter standard, SWIR or custom filters on request			
Lens mount	Bayonet	Bayonet	Bolt hole pattern	Bayonet
Optional filter wheel	Motorized four position cold filter wheel; 25.4 mm diameter x 1.0 mm thick filters			
GENERAL				
Power @ 24 VDC	20 W	25 W	35 W	28 W
System weight	<7 pounds	<7 pounds	<10 pounds	<7 pounds
Size	5.1" x 5.8" x 8"	5.1" x 5.8" x 8"	6" x 6" x 9"	5.1" x 5.8" x 8"
Operating temperature range	-40° C to +55° C (-40° F to +131° F)			
Storage temperature range	-55° C to +80° C (-67° F to +176° F)			
Environmental rating	IP-51			
Mounting holes	2x 1/4-20 & 4x #10-24			