

## iXM-RS150F/ iXM-RS100F Technical Specifications

Camera	iXM-RS150F	iXM-RS150F Achromatic	iXM-RS100F	iXM-RS100F Achromatic
Resolution	150MP		100MP	
	14204x10652		11608x8708	
Dynamic range	83dB		84dB	
Aspect ratio	4:3			
Pixel size	3.76μm		4.6μm	
Effective sensor size(mm)	53.4x40mm			
Light sensitivity (ISO)	50-6400	200-25600	50-6400	200-12800
Capture rate	2fps		1.6fps	
Data interfaces	USB3, Ethernet 10G			
I/O interfaces	Trigger, Mid exposure, Ready, Serial			

HDMI	1920x1080 60p			
Data storage	XQD card			
Synchronization speed	50 microseconds in an array of cameras			
Raw file compression 14bit	IIQ large: 150MB IIQ small: 100MB		IIQ large: 100MB IIQ small: 65MB	
IR cut-off filter	Yes	Yes, Optional with clear glass	Yes	Yes, Optional with clear glass
Connection to pod	4xM4 bolts			
Power input	12 - 30 VDC			
Max. power consumption	16W			
Weight (excluding lens)	1000g			
Dimensions (excluding lens)	90x90x91mm			
Approvals	FCC Class A, CE, RoHS			
Temperature	-10°C to 40°C			

Humidity

15% - 80% (non-condensing)

## RS Lenses – Technical Specifications

Technical Specs	32MM	40MM	50MM	70MM	90MM	110MM	150MM MK II	180MM	300MM AF*
Minimum Focus Range					infinity				10m to Infinity
Shutter Speed max (sec)	Up to 1/2500	Up to 1/2500	Up to 1/2500	Up to 1/2500	Up to 1/2000	Up to 1/2500	Up to 1/2500	Up to 1/2000	Up to 1/2000
Exposure Control	1/3 f-stop increments								
Aperture range	f/4 – f/22	f/4 – f/22	f/4 – f/22	f/5.6 – f/22	f/5.6 – f/22	f/4 – f/22	f/5.6 – f/22	f/6.3 – f/22	f/8 – f/32
Filter Diameter (mm)	86	67	67	58	72	58	86	67	86
Total Length (mm) with Camera	186	174.5	181	179	224	184	257	283	328
Weight (g/lb)	970 / 2.13	730 / 1.60	800 / 1.76	580 / 1.27	1150 / 2.53	620 / 1.37	1150 / 2.53	1400 / 3.1	1900 / 4.2
Angle of view (Long side) – (°)	77.8	65	54.6	41.8	33.0	27.6	20.2	16.9	10.2 (with iXM-RS) 8.4 (with iXM)

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Angle of view (Short side)- (°)	62.3	51	42.3	31.9	25.1	20.9	15.2	12.7	7.6 (with iXM-RS) 6.3 (with iXM)
Entrance pupil to image plane (mm)	105.7	94.1	99.3	91.1	130.8	76.1	65.8	141.5	85.5

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