



DST CONTROL

MultiSight LR



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1. System Performance

Feature	Specifications				Notes	
Thermal (Night) Camera						
COOLED						
Spectral Band	3.6-4.2 μ					
Thermal Camera DRI		NATO	Human		NATO 2.3x2.3m Human 1.8x0.6m Delta Visibility 23km	
	Recognition	17.3km	12.6km			
Horizontal FOV	0.8° to 16.2°					
Optical Zoom	x18					
Resolution	1280x1024					
Pitch	10 μ					
COMMANDS	NUC, POLARITY, FOCUS, ZOOM					
Visible (Day) Camera						
Sensor Type	Rolling shutter		Global Shutter			
Maximum Resolution	1920(H) x 1080(V)					
DRI		NATO	Human	NATO	Human	NATO 2.3x2.3m Human 1.8x0.6m Delta Visibility 23km
	Recognition	22km	17km	32km	22km	
Lens	15mm ~ 850mm		16.7mm~2,000mm			
Optical Zoom	x57		x120			
Horizontal FOV	0.54° to 29.8°		0.23° to 27°			
Spectral Band	0.4-0.7 μ / 0.4-1.1 μ (black & white)					
SWIR Camera - Optional						
Sensor Type	InGaAs Global shutter					
Maximum Resolution	1280(H) x 1024(V)					
Lens	15.5mm ~ 560mm		400 / 900mm			



Feature		Specifications				Notes
DRI		NATO	Human	NATO	Human	NATO 2.3x2.3m Human 1.8x0.6m Delta Visibility 23km
	Recognition	13.6km	10.5km	19km	15.7km	
Optical Zoom		x36		Dual FOV		
Horizontal FOV Wide		0.65° to 23.3°		0.41° / 0.92°		
Wavelength		1000~1700nm / 1450~1700nm				
Pan & Tilt						
Pan full range		360 x n				
Tilt full range		-60° ÷90°				
Pan-axis pos. meas. accuracy		0.01° (<0.2mrad)				
PTZ Control	velocity	0.001 to 90°/s				
Stabilization Axis		4				
Mechanical Stabilization		50µrad				
Digital Compass - Optional						
Heading accuracy		0.25				
Elevation Accuracy		0.1				
Mechanical						
670mm×650mm×570mm		670mm×650mm×570mm				
60kg		60kg				
LRF – Optional						
Range		Up to 32km				Eye safe
Interfaces						
External Input Voltage		40±4V with 0.2V ripple (Imax=7A)				



Feature	Specifications	Notes
Power Consumption	200W without no movement, up to 600W while rotating, heaters, 280W with heaters	Heaters on at 3°C
Ethernet (LAN)	ONVIF Profile S	
Video Compression	H.264	