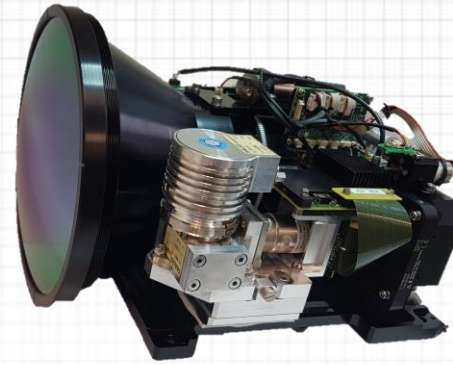


LWIR Cooled four FOVs Camera

URSA LW

LWIR Cooled Thermal camera



Technical Specification

URSA LW is one of the longest focal length LWIR cooled thermal imagers available in the market, offering superb surveillance solution delivered in a very compact mechanical configuration due to its double folded structure.

Operating in the 7-9 μ m spectral region, URSA LW provides superior thermal images through smoke, aerosols, and other atmospheric obscurants. It is equipped with micro-scan technology which generate SUPER-RESOLUTION (SR) image

An open frame configuration (OFC) is offered for integration by OEMs.

The serial control remote control capability permits ease of integration into any client-based security system.

SYSTEM MAIN FEATURES:

- Motorized focus/zoom
- Four FOVs zoom: 30-60-180-400mm F/2.24 LWIR
- Compact mechanical design
- Auto & Manual focus
- Internal shutter or Optical NUC
- Micro-scan technology for SR
- Remote Control Capability
- Output – Analog & Digital
- Image enhancement and image sharpening



SYSTEM SPECIFICATIONS

PARAMETER	VALUE	NOTES
SYSTEM		
Video Format	NTSC or PAL	
Communication Protocol	RS-422 Full Duplex	Baud rate 19,200 (other rates)
Power Requirements	24VDC 2.0A	
ENVIRONMENTAL		
Operating / Storage Temp	-25°C to +55°C / -40°C to +70°C	
Shock and Vibrations	Per MIL-STD-810E	
Open Frame configuration	Front element sealed to front flange	In accordance to IP66/67.
Controls	Fully Remote controlled	
Electronic Zoom	X2 / X4	
Focus control	Manual / Automatic	
SENSOR		
Detector FPA	640 x 512 pixels, 15 µm pitch	19-21mm CSH
Sensitivity	< 50mK	
OPTICAL		
Focal Length, F#	30/60/180/400 mm	
FOV (Degrees)	FOV 1: 19°(H) x 15°(V) FOV 2: 9°(H) x 7.3°(V) FOV 3: 3°(H) x 2.4°(V) FOV 4: 1.4°(H) x 1. 1°(V)	
Spectral range	7 - 9 µm	
Focus / Zoom mechanism	Motorized/Remotely controlled	
NUC	Available – by internal shutter or optical NUC	
Focus Range	30 m to ∞ for Wide 250 m to ∞ for Narrow	
Total Weight	< 8Kg for Open Frame Configuration	
Ext. Dimensions L x W x H (mm)	293 x 245 x 199	
Mount / Mechanical Interface	Please refer to MICD (Customized interfacing, available on request)	

