

Ursa VOx LWIR



Detector	Uncooled VOx
Waveband	7.5 μ m-13.5 μ m
Pixel Pitch	25 μ m
Resolution (HxV)	324 x 256 pixels
Standard Lens	25mm EFL
Field of View (Standard Lens)	27° x 22°
Camera Frame Rate	30Hz
NEDOLP	0.5%
Input Voltage	110V
Size with Standard Lens (LxWxH)	14" x 7" x 15"
Weight with Standard Lens	25lbs
Data Interface	GigE

Summary

- Consists of two imagers that capture orthogonal states of polarization simultaneously for stop action imagery of polarization images
- URSA operates at 30 frames per second capturing S1 and S2 images of polarization (manual selection).
- Laptop computer operation and display of real-time calibrated polarimetric and radiometric data products
- Imagery can also be streamed to disk for post processing and analysis

Applications

- Detection of man-made objects in clutter and during thermal cross-over events
- Phenomenology
- Force protection
- Remote sensing
- Dynamic threat detection
- Facial recognition
- Detection of proliferation chemistries

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