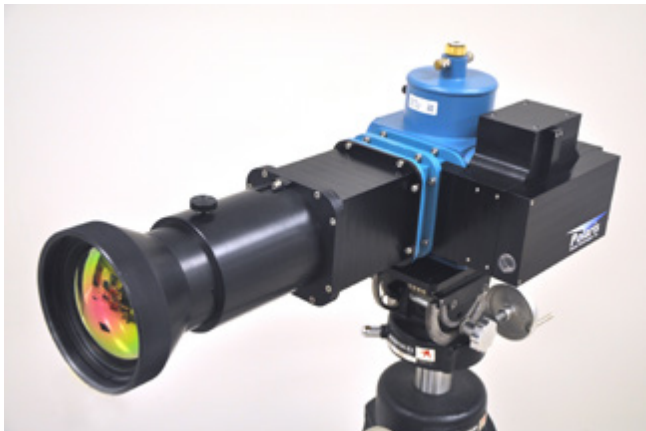


# Indus Pyxis<sup>®</sup> MSIP MWIR



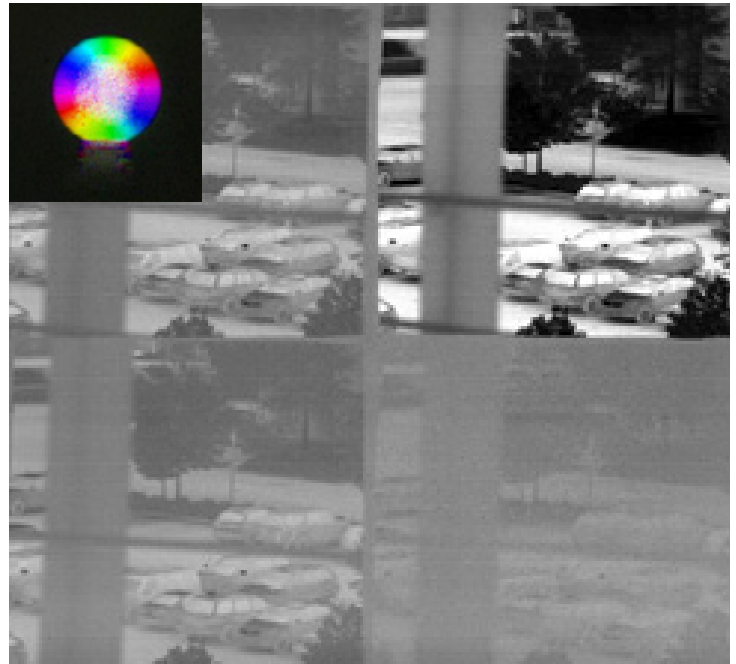
Detector	InSb
Waveband	3 $\mu$ m-5 $\mu$ m
Pixel Pitch	25 $\mu$ m
Resolution (HxV)	512 x 512 pixels
Multi-Spectral	4-quad; 4-bands
Field of View (Standard Lens)	6° x 6°
Camera Frame Rate	30Hz
Lens EFL	115mm
Lens F/#	2
Full Frame Operability	>99.8%
Data Interface	GigE
Size with Standard Lens (LxWxH)	25" x 10.5" x 8.5"
Weight with Standard Lens	32lbs
Steady Power @ 70°F	20W

## Summary

- Linear polarization is captured in all four wavebands
- In a single frame time all polarization data products (S0, S1, S2, orientation, DOLP) are determined in all four wavebands
- Pixelated Polari
- Pixelated Polarizer Array in intimate contact with FPA facilitates measurement of polarization

## Applications

- Hybrid multi-spectral, polarimetric camera
- Captures imagery in four MWIR bands simultaneously
  - o 3.2 $\mu$ m - 4.7 $\mu$ m
  - o 3.2 $\mu$ m - 3.7 $\mu$ m
  - o 3.7 $\mu$ m - 4.2 $\mu$ m
  - o 4.5 $\mu$ m - 5.0 $\mu$ m



Example output from MSIP MWIR. Four MWIR bands are captured simultaneously.



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