

**HIGH-PERFORMANCE
FAST CAMERAS**



FAST V1k



*HIGH-SPEED VGA FORMAT
VLWIR SCIENTIFIC THERMAL IMAGING*

KEY FEATURES



HIGH FRAME RATE



**TELOPS REAL-TIME
TEMPERATURE CALIBRATION (RTTC)**

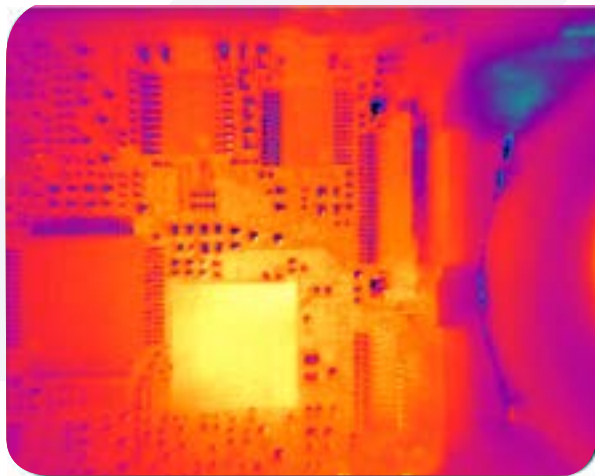


HIGH-SPEED INTERNAL MEMORY

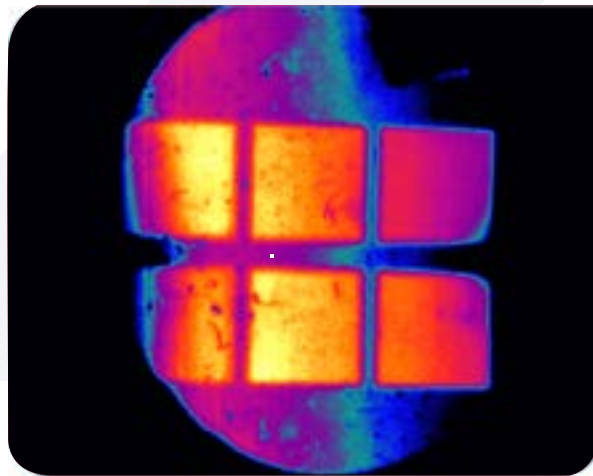
The FAST-IR series includes the fastest scientific infrared cameras on the market. The FAST V1k is a high-speed, VGA-format VLWIR system optimized for the collection of high-fidelity radiometric imagery of challenging, rapidly evolving thermal targets at the highest temporal resolution.



FAST V1k



HF Micro-Electronic Heat Management



Cell Imaging

SPECIFICATIONS

Detector Type	Cooled SLS
Spectral Range	7.5 μm to 11.5 μm
Spatial Resolution	640 \times 512 pixels
Detector Pitch	25 μm
Aperture Size	F/2
Frame Rate	1 012 Hz
Maximum Frame Rate	2 400 Hz @ 320 \times 256 40 000 Hz @ 64 \times 8
Environmental Resistance	IP67
Operational Shock	IEC-60068-2-27
Operational Vibration	IEC-60068-2-64
Operational Temperature	-15 $^{\circ}\text{C}$ to +50 $^{\circ}\text{C}$
Storage Temperature	-35 $^{\circ}\text{C}$ to +60 $^{\circ}\text{C}$
Typical NETD	35 mK
Exposure Time	0.27 μs to full frame rate
Lens Mount	Threaded

sales@telops.com



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EXOSENS
REVEAL THE INVISIBLE

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