

HIGH-PERFORMANCE  
FAST CAMERAS



# FAST S1k



*HIGH SPEED VGA FORMAT SWIR  
SCIENTIFIC THERMAL IMAGING*

## KEY FEATURES



**HIGH FRAME RATE**



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

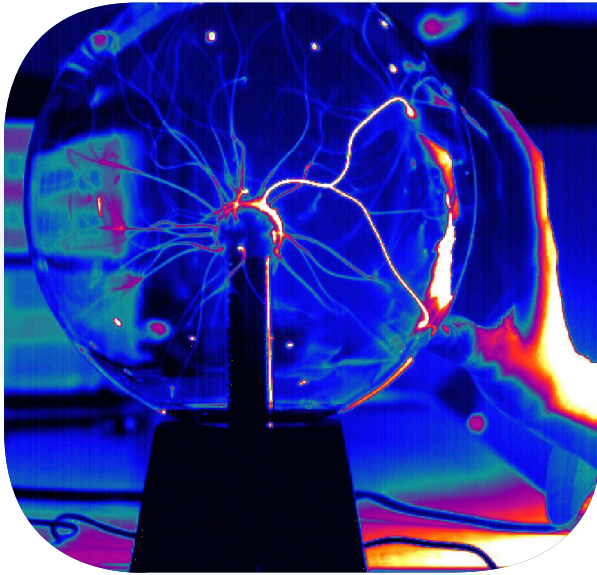


**HIGH-SPEED INTERNAL MEMORY**

The FAST-IR series include the fastest scientific infrared cameras on the market. The FAST S1k is a high-speed, VGA-format SWIR system optimized for the collection of high-fidelity radiometric imagery of rapidly evolving, high temperature thermal targets at the highest temporal resolution.



# FAST S1k



Plasma Globe



Outside Scene

## SPECIFICATIONS

Detector Type	InGaAs
Detector Format	640 x 512
Detector Pitch	20 $\mu\text{m}$
Spectral Band	0.9 – 1.7 $\mu\text{m}$
Calibration Range	300 to 1000 °C
Maximum Frame Rate (Full Window)	1 000 Hz
Maximum Frame Rate (Subwindow Mode)	103 000 Hz @ 64 x 8
Readout Noise	<250 e- (high gain) <1100 e- (low gain)
Operational/Storage Limits	-20 to +50 °C (operation) -40 to +50 °C (storage)
Internal High-Speed Memory	16 GB, expandable to 32 GB

[sales@telops.com](mailto:sales@telops.com)



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REVEAL THE INVISIBLE

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