

**HIGH-PERFORMANCE  
FAST CAMERAS**

**TELOPS**  
EXOSENS GROUP

# FAST M3k



*HIGH-SPEED VGA-FORMAT  
SCIENTIFIC THERMAL IMAGING*

## KEY FEATURES



**ULTRAHIGH FRAME RATE**



**HIGH-SPEED INTERNAL MEMORY**



**HIGH SENSITIVITY**

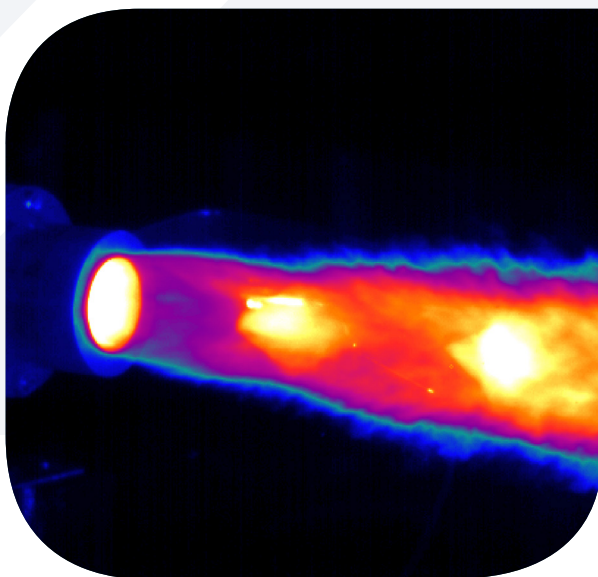


**ADVANCED CALIBRATION**

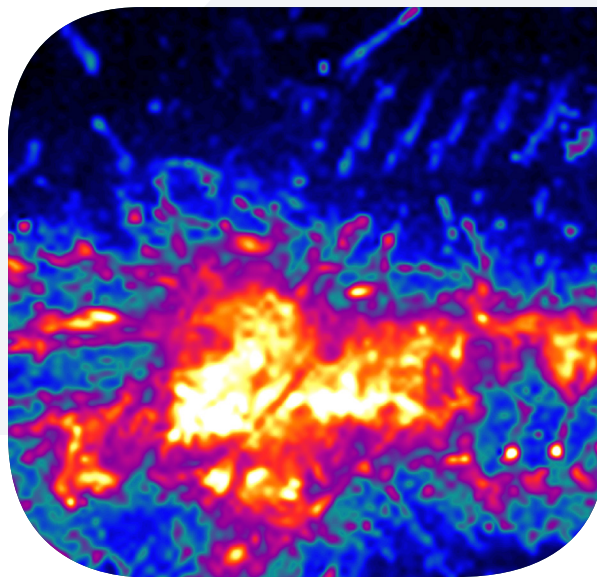
Telops FAST M3k is a high-performance scientific infrared imaging system featuring the highest framerate capabilities on the commercial market. Featuring a high-sensitivity 320 x 256 pixel InSb detector array capable of acquisition of up to 3,000 Hz in the full window configuration, the FAST M3k is ideally configured to document fast thermal events even at low target temperatures.



# FAST M3k



IR Signature Measurements



Ballistic Impact Testing

## SPECIFICATIONS

Detector Type	Cooled InSb
Detector Format	320 x 256 pixels
Spectral Range	1.5 – 5.4 $\mu\text{m}$
Detector Pitch	30 $\mu\text{m}$
Aperture Size	F/2.5
Typical NETD	25 mK
Minimum Exposure Time	1 $\mu\text{s}$
Frame Rate	3 100 Hz
Maximum Frame Rate	100 000 Hz @ 64 x 4
Environmental Resistance	IP67
Operational Shock	IEC-60068-2-27
Operational Vibration	IEC-60068-2-64
Operational Temperature	-15 °C to +50 °C
Storage Temperature	-35 °C to +60 °C
Lens Mount	Bayonet

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**EXOSENS**  
REVEAL THE INVISIBLE