

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

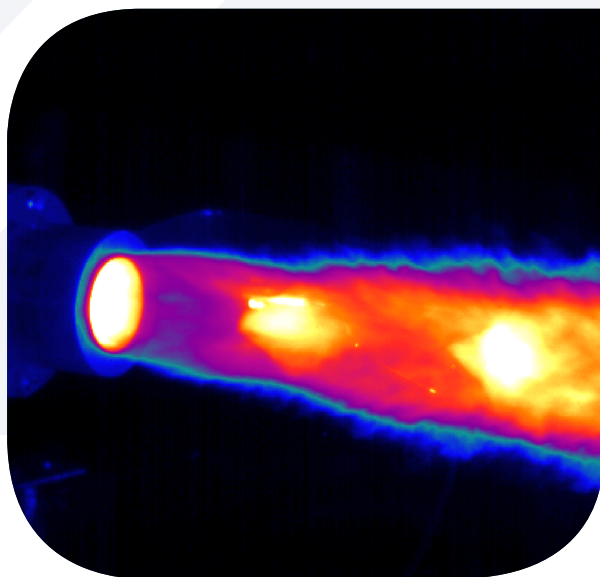


ADVANCED CALIBRATION

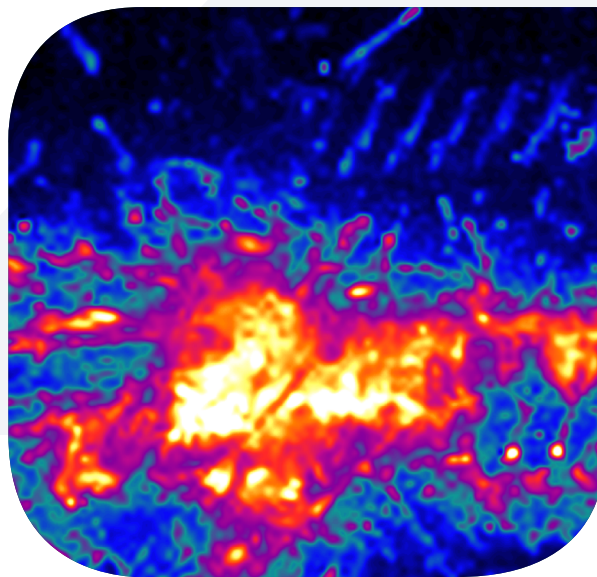
Telops FAST M3k is a high-performance scientific infrared imaging system featuring the highest framerate capabilities on the commercial market. Featuring a high-sensitivity 320 x 256 pixel InSb detector array capable of acquisition of up to 3,000 Hz in the full window configuration, the FAST M3k is ideally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



FAST M3k



IR Signature Measurements



Ballistic Impact Testing

KEY PERFORMANCES

Detector Type	Cooled InSb
Detector Format	320 x 256 pixels
Spectral Range	1.5 – 5.4 μm
Detector Pitch	30 μm
Aperture Size	F/2.5
Typical NETD	25 mK
Minimum Exposure Time	1 μs
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

MOUNT TYPE

Lens Mount	Bayonet
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sales@telops.com



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EXOSENS
REVEAL THE INVISIBLE