

HIGH-PERFORMANCE
FAST CAMERAS

TELOPS
EXOSENS GROUP

FAST M3k



*ULTRA HIGH-SPEED
MWIR SCIENTIFIC THERMAL IMAGING*

KEY FEATURES



ULTRA-HIGH FRAME RATE



MWIR SPECTRAL BAND



HIGH SENSITIVITY

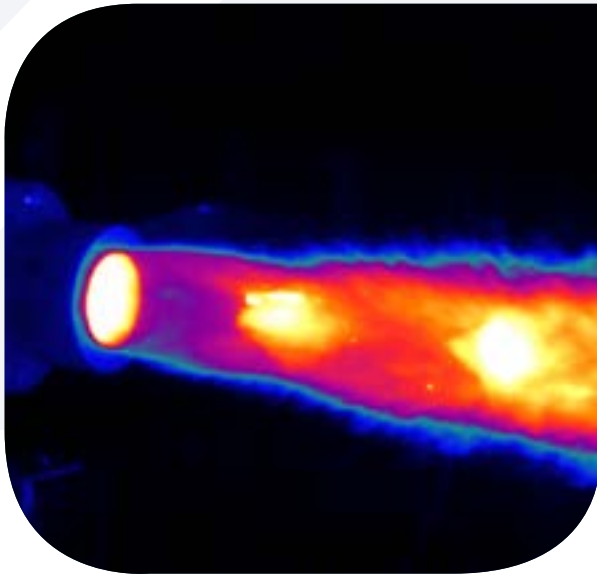


ADVANCED CALIBRATION

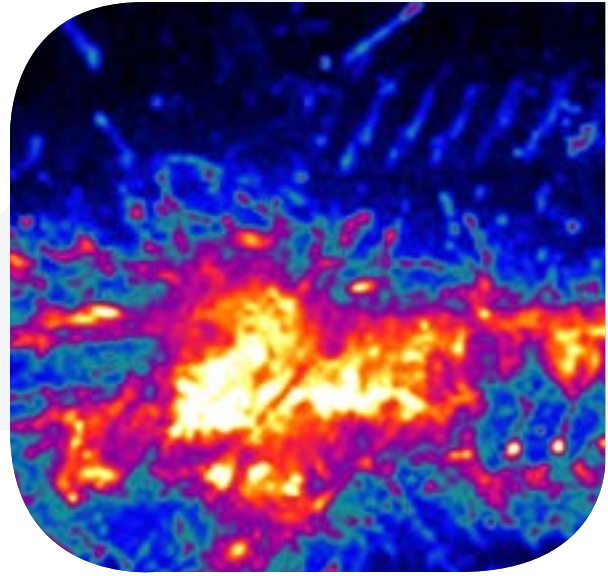
The FAST-IR series include the fastest scientific infrared cameras on the market. The FAST M3k represents the pinnacle of frame rate capability, featuring a 320 x 256 pixel detector capable of radiometric image acquisition at up to 3100 Hz in the full frame and over 100,000 Hz in subwindow mode. Optimized for high-speed measurements of even the most challenging thermal targets, the FAST M3k generates high-fidelity radiometric imagery with unmatched temporal resolution.



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 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 × 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 |

sales@telops.com



exosens.com

EXOSENS
REVEAL THE INVISIBLE

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