HIGH-PERFORMANCE FAST CAMERAS

## FAST V1k





HIGH-SPEED VGA-FORMAT SCIENTIFIC THERMAL IMAGING

## **KEY FEATURES**



**ULTRAHIGH FRAME RATE** 



HIGH-SPEED INTERNAL MEMORY

) HIGH SENSITIVITY

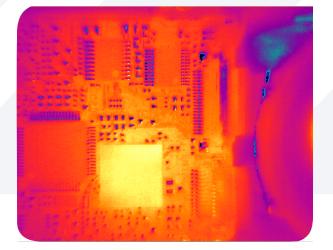


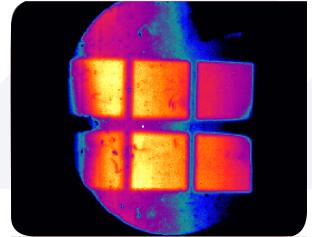
ADVANCED CALIBRATION

The FAST-IR series includes the fastest infrared cameras available on the market. To analyze dynamic events, the FAST-IR infrared cameras allow high-speed thermal imaging with an impressive temporal resolution at a rapid frame rate. These highperformance infrared cameras are extremely sensitive, enabling the detection of challenging targets.

exosens.com

## 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 × 512 pixels
Detector Pitch	25 μm
Aperture Size	F/2
Frame Rate	1 012 Hz
Maximum Frame Rate	2 400 Hz @ 320 × 256 40 000 Hz @ 64 × 8
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
Typical NETD	30 mK
Exposure Time	0.27 $\mu s$ to full frame rate
Lens Mount	Threaded

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