High-Performance Multispectral Cameras



MS M3k

HIGH-SPEED VGA-FORMAT SCIENTIFIC MULTISPECTRAL THERMAL IMAGING

ELOP S

KEY FEATURES



MULTISPECTRAL CAPABILITIES



HIGH DYNAMIC RANGE



ADVANCED CALIBRATION



HIGH SENSITIVITY

The MS-IR infrared camera allows the scene to be split into eight different spectral bands rather than only one broadband image, thus enabling spectral signature analysis. The filter wheel is a fastrotating mechanism designed to maximize the cameras' frame rate. Rotating speed is adjustable up to 105 Hz per filter, allowing a frame rate up to 2 900 fps in a synchronised mode.

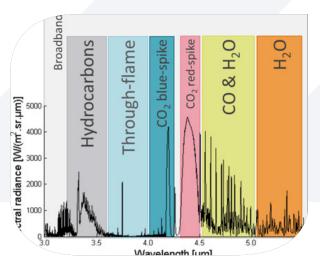
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exosens.com

MS M3k



Multispectral image of burning wood crib



Typical MWIR combustion spectrum and filters

SPECIFICATIONS	
Detector Type	Cooled InSb
Detector Format	320 × 256 pixels
Spectral Range	1.5 μm to 5.5 μm
Detector Pitch	30 µm
Aperture Size	F/2.5
Maximum Frame Rate in Full Window (Static Filter Wheel Mode)	3 100 Hz
Maximum Frame Rate in Subwindow (Static Filter Wheel Mode)	100 000 Hz @ 64 × 4
Maximum Frame Rate in Rotating Filter Wheel Mode	800 Hz
Typical NETD	25 mK
Exposure Time	1 μ s to full frame rate
Lens Mount	Bayonet

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