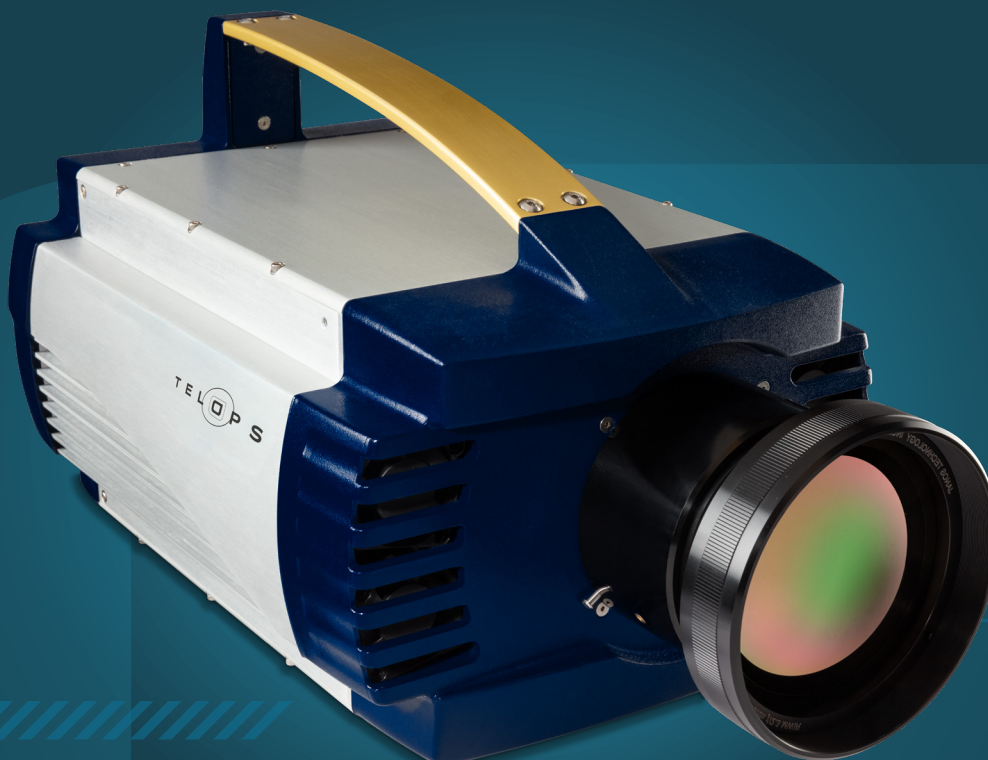


MS M1k



*High-Speed VGA-Format Scientific
Multispectral Thermal Imaging*

KEY FEATURES



MULTISPECTRAL CAPABILITIES



HIGH DYNAMIC RANGE



ADVANCED CALIBRATION



HIGH SENSITIVITY

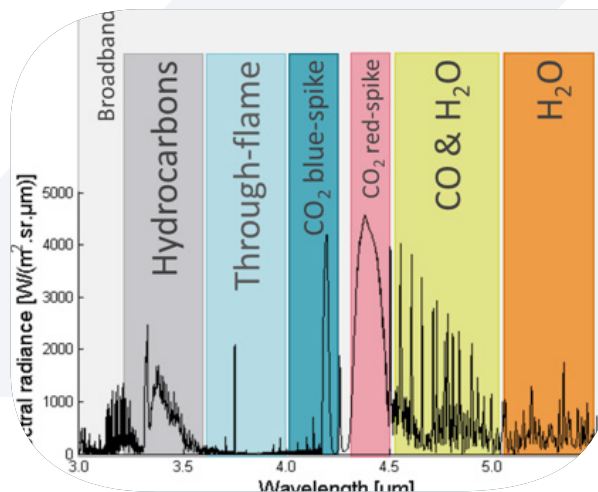
The MS-IR infrared camera allows the scene to be split into eight different spectral bands rather than only one broadband image, thus enabling spectral signature analysis. The filter wheel is a fast-rotating mechanism designed to maximize the cameras' frame rate. Rotating speed is adjustable up to 105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



MS M1k



Multispectral image of burning wood crib



Typical MWIR combustion spectrum and filters

KEY PERFORMANCES

Detector Type	Cooled InSb
Detector Format	640 x 512 pixels
Spectral Range	1.5 – 5 μm
Detector Pitch	25 μm
Aperture Size	F/2.5
Maximum Frame Rate in Full Window (Static Filter Wheel Mode)	1 012 Hz
Maximum Frame Rate in Subwindow (Static Filter Wheel Mode)	40 000 Hz @ 64 × 8
Maximum Frame Rate in Rotating Filter Wheel Mode	800 Hz
Typical NETD	25 mK
Exposure Time	0.3 μs to full frame rate
Lens Mount	Bayonet

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