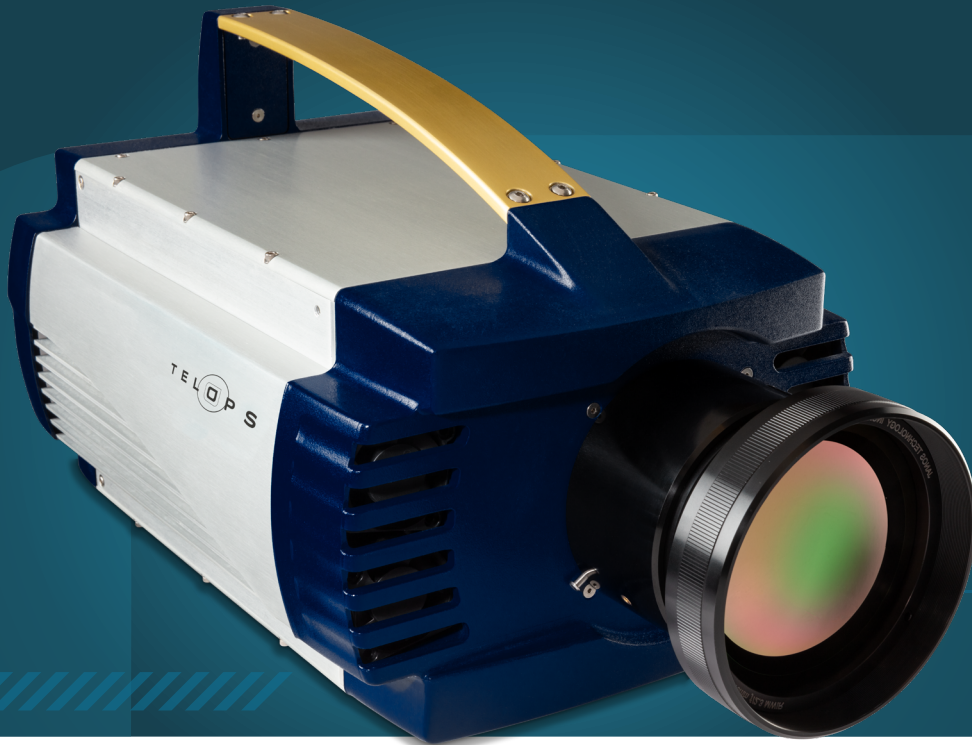


# MS M3k



*HIGH-SPEED VGA-FORMAT SCIENTIFIC  
MULTISPECTRAL THERMAL IMAGING*

## KEY FEATURES



**MULTISPECTRAL CAPABILITIES**



**HIGH DYNAMIC RANGE**



**ADVANCED CALIBRATION**



**HIGH SENSITIVITY**

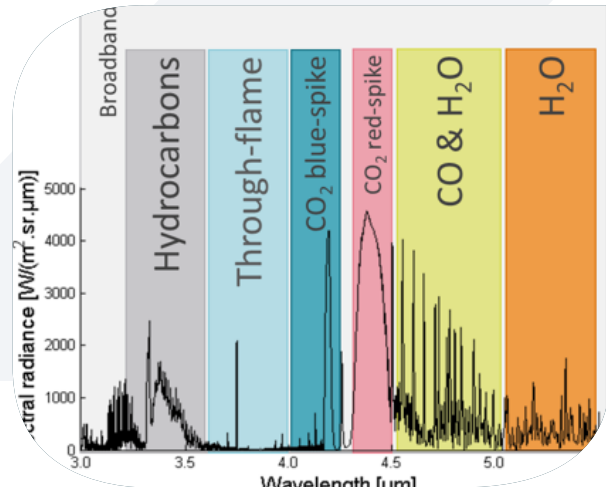
The MS-IR infrared camera allows the scene to be split into eight different spectral bands rather than only one broadband image, thus enabling spectral signature analysis. The filter wheel is a fast-rotating mechanism designed to maximize the cameras' frame rate. Rotating speed is adjustable up to 105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



# MS 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 μs to full frame rate
Lens Mount	Bayonet

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