

HIGH DYNAMIC RANGE
INFRARED CAMERA

TELOPS
EXOSENS GROUP

HDR M3K



*EXPANDED IN-SCENE DYNAMIC
RANGE PERFORMANCE*

KEY FEATURES



**EFFICIENT MEASUREMENT OF HIGH
THERMAL CONTRAST SCENES**



**IN-SCENE DYNAMIC RANGE OF TO 900
DEGREES WITH A SINGLE EXPOSURE
TIMETHERMAL CONTRAST SCENES**



FILTER-BASED HDR MECHANISM

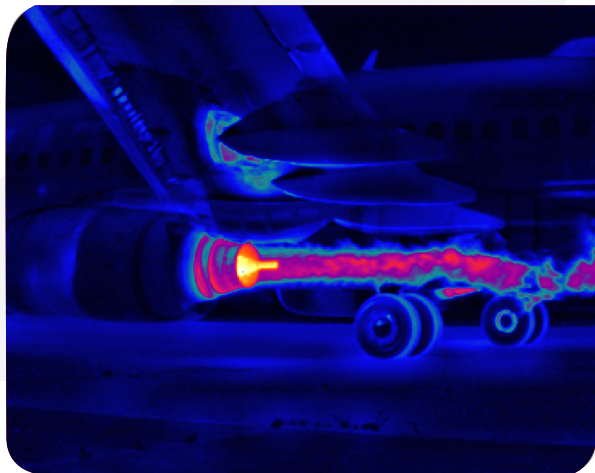


**TELOPS REAL-TIME TEMPERATURE
CALIBRATION (RTTC)**

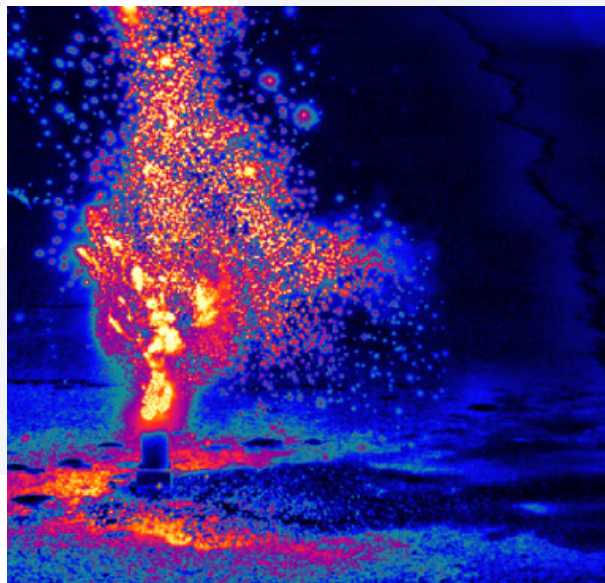
The HDR M3K represents a revolution in high dynamic range infrared imaging. Traditional midwave infrared cameras can effectively measure a span of about 150 degrees with a single exposure time before experiencing image saturation. Telops The HDR M3K employ a unique automated fast-switching neutral density filter mechanism designed to continually optimize in-scene dynamic range performance over time and changing scene contrast conditions.



HDR M3K



High dynamic range enables detailed imaging of a broad range of target temperatures in the same scene



900 degree in-scene dynamic range in a single image allows for efficient measurement of hot targets and cold backgrounds in the same scene

SPECIFICATIONS

Detector Type	Cooled InSb
Spectral Range	3.0 – 5.4 μm
Aperture Size	F/3
Typical NETD	30 mK
Exposure Time	1 μs to full frame rate
Frame Rate	3,100Hz @ 320 x 256
Maximum Frame Rate	100,000 Hz 64 x 4
Environmental Resistance	IP67
Operational Temperature	-20 oC to +50 oC
Storage Temperature	-35 °C to +60 °C
Lens Mount	Threaded

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