ACCESSIBLE SCIENTIFIC INFRARED CAMERAS

TELOPS
EXOSENS GROUP

RADIA M100

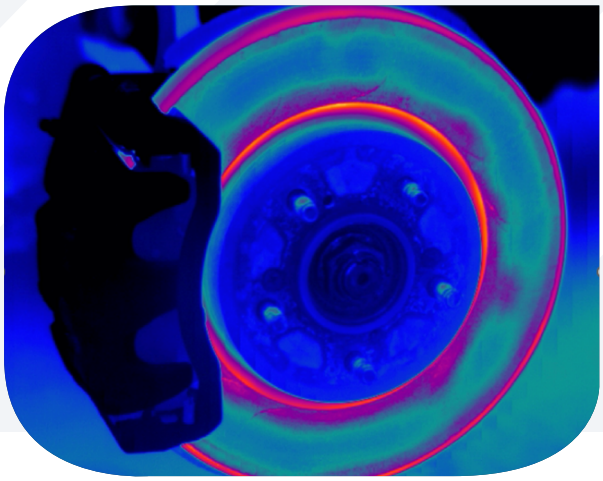
COOLED SCIENTIFIC INFRARED CAMERAS

KEY FEATURES

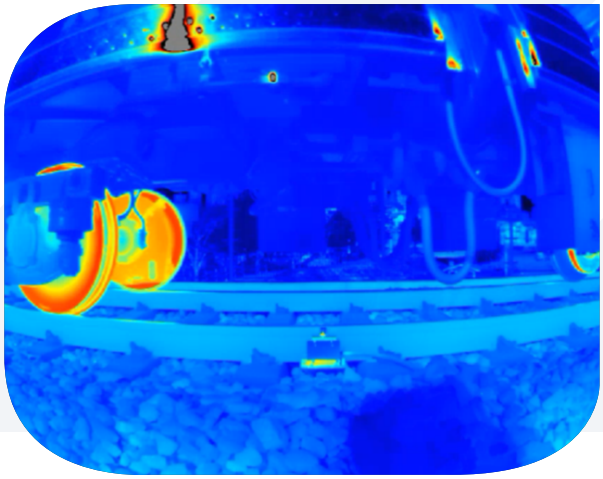
- **LOW SIZE, WEIGHT, AND POWER (SWaP)**
- **PERMANENT RADIOMETRIC CALIBRATION**
- **USER-SWAPPABLE LENS**
- **USB 3.0 DATA TRANSFER**

The Radia M100 is a cooled, small form-factor thermal infrared camera designed to provide high-quality imagery and reliable scientific data. Real-time image acquisition capabilities are complimented by Telops permanent radiometric factory calibration, allowing the user to display the acquired imagery in units of temperature, radiance, or irradiance without the need for regular blackbody calibrations.

RADIA M100



Automotive Brake Performance Testing



Train Inspection

SPECIFICATIONS	
Detector Type	Cooled MW SLS
Detector Format	640 x 512 pixels
Spectral Range	3.6 – 4.15 µm
Detector Pitch	10 µm
Optical Aperture	F/3.6
Max. Frame Rate (Full Window)	180 Hz
Max. Frame Rate (Subwindow)	340 Hz @ 320 x 256 1 000 Hz @132 x 4
Typical NETD	30 mK
Standard Calibration Ranges	Baseline: 0 °C to 850 °C Extended: Up to 2500 °C
Data Output Types	RAW, NUC, RT, IBR, IBI
Data Transfer	USB 3.0
Lens Mount	Threaded, user-swappable
Lens Options	**Standard:** 25 mm EFL FOV: 14.6° x 11.7° **Wide angle:** 13 mm EFL / FOV: 27.7° x 22.3° **Telephoto:** 50 mm EFL / FOV: 7.3° x 5.9°
Size	84 x 94 x 96 mm
Weight	820 g
Operational Temperature	-20 °C to 55 °C
Storage Temperature	-40 °C to 70 °C

sales@telops.com

exosens.com

EXOSENS
REVEAL THE INVISIBLE