HYPERSPECTRAL IMAGING SYSTEMS

TELOPS
EXOSENS GROUP

Hyper-Cam Airborne Nano

THE HYPER-CAM AIRBORNE NANO

KEY FEATURES

- **HIGH SPECTRAL RESOLUTION: DOWN TO 4 CM^{-1}**
- **MULTI-MODE : TARGETING AND MAPPING, FORWARD LOOKING AND NADIR**
- **TELOPS' ADVANCED PERMANENT CALIBRATION**
- **COMPACT AND WELL ADAPTED FOR REMOTE LOCATIONS**

Introducing the Hyper-Cam Airborne Nano, our smallest long-wave infrared hyperspectral imager. Engineered for airborne scientific survey applications, this ultra-compact camera sensor is seamlessly integrated into a payload gimbal tracking system for unparalleled stability and precision. The Hyper-Cam Airborne Nano brings cutting-edge hyperspectral LWIR capabilities to the skies! With Telops' permanent calibration ensuring long-term accuracy and reliability, this advanced system is the ideal solution for professionals seeking high-performance aerial hyperspectral imaging in a lightweight, versatile package.

Hyper-Cam Airborne Nano

Detection of Hydrofluorocarbon-152a

KEY PERFORMANCES	VALUE	UNITS	COMMENT
Detector Format	320 x 160	pixels	
Spectral Range	7.5 – 12.4 µm	µm	
Spectral Resolution	From 4 to 64	cm^{-1}	
Field of view (FOV)	35 x 18	degrees	
Typical NESR	≤35	$nW/cm^2.sr.cm^{-1}$	At spectral resolution of 16 cm^{-1}. Corresponds to a NEdT of 0.2K for a 25°C at 1000 cm^{-1}

RESISTANCE	VALUE	UNITS	COMMENT
Dimensions	172 x 172 x 181	mm	H x W x D
Weight (camera & gimbal)	< 7.5	kg	
Interface	Quick-release circular Gimbal mount attachment		
Power	<150	W	

sales@infraredimaging.com

INFRARED IMAGING

EXOSENS
REVEAL THE INVISIBLE