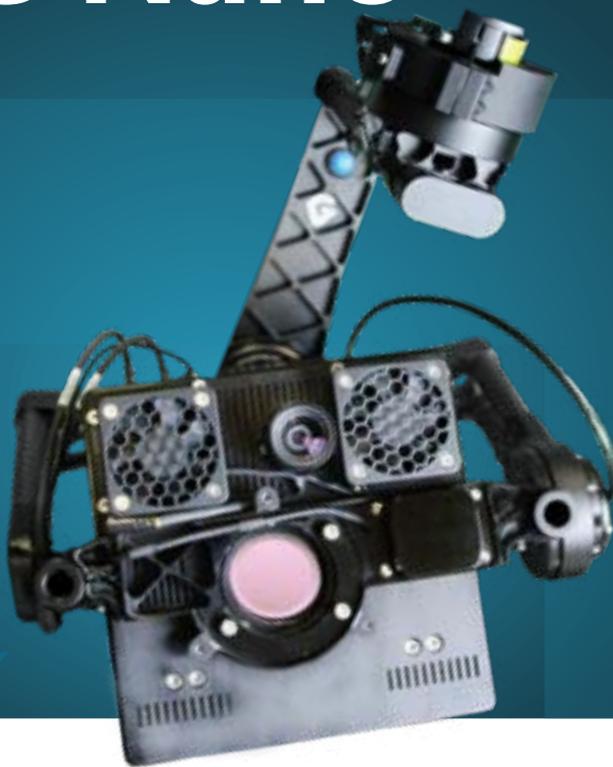


Hyper-Cam Airborne Nano



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	$\text{nW}/\text{cm}^2 \cdot \text{sr} \cdot \text{cm}^{-1}$	At spectral resolution of 16 cm^{-1} . Corresponds to a NE Δ T 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

