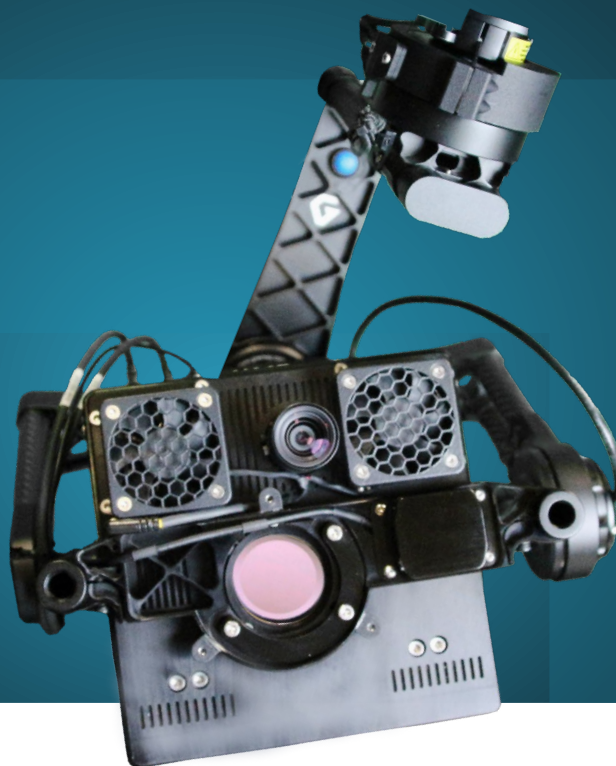


Hyper-Cam Airborne Nano



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**

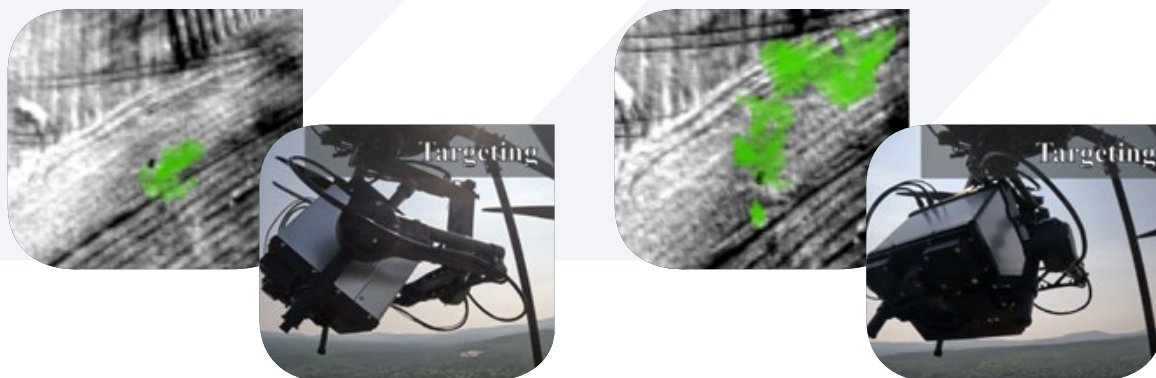


**COMPACT AND WELL ADAPTED FOR
REMOTE LOCATIONS**

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} |

| KEY PERFORMANCES | 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@telops.com



exosens.com

EXOSENS
REVEAL THE INVISIBLE

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