



## PRODUCT DATA SHEET



Nano-Hyperspec<sup>®</sup>  
VNIR  
Imaging Sensors



- Professional airborne performance
- Research-grade hyperspectral data
- High payload capacity, long-duration flight times
- Headwall-customized stabilizing gimbal
- Multiple flight-control redundancies
- 270 spectral bands (VNIR 400-1000nm)
- Aberration-corrected imaging, wide FOV
- Airborne hyperspectral software
- Internal SSD data storage
- Maximum Frame Rate up to 350Hz

## Nano-Hyperspec®

Wavelength range (nm)	400-1000
Spatial bands	640
Spectral bands	270
Dispersion/Pixel (nm/pixel)	2.2
FWHM Slit Image (nm)	6
Integrated 2 <sup>nd</sup> order filter	Yes
f/#	2.5
Layout	Aberration-corrected concentric
Entrance Slit width (µm)	20
Camera technology	CMOS
Bit depth (bits)	12
Maximum Achievable Frame Rate, (Hz)*	350
Detector pixel pitch (µm)	7.4
Max Power / Max Power with GPS (W)	13 / 15
Storage capacity (GB)	480 (~130 minutes at 100 fps)
Weight without lens, GPS (lb / kg)	1.2 / 0.5
Operating Temperature (°C)	0 to 50

\*Dependent on product configuration.



Fully integrated, fully tested airborne solutions for a wide range of remote sensing applications.

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## GPS/IMU Options

### Standard GPS/IMU



### High-Performance GPS/IMU



Recommended for LiDAR configurations; greatly improves orthorectification

### Optional LiDAR



### contact information

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