

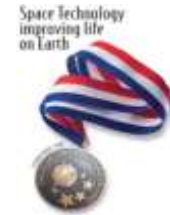


Certified by the Space Foundation



PHILUMINA-NUVNIR-350 "VNIR" Series

Sensor Type Pushbroom - Scanning Portable Turnkey Hyperspectral system
Performance (Addressable Hyperspectral Features)



Spectral Range (Continuous Coverage)	350-1000nm
# Spectral Channels / bands	>910 <1000
# Spatial Pixels	2560 (usable ~80%)
Field of view - Lens / Captured (FOV)	80° / 39.1°
Entrance Slit Size	30 μm x 30 mm
F/#	F/2.4
Spectral Width Sampling/Row	approximately .7 centered
Spectral Resolution (FWHM)	2.5 nm
Pixel Size	6.5μm x 6.5μm
Dynamic Range	16 Bits
Frame Rate (Uncompressed / Compressed) @95.3 MHz	30 / 100 FPS
Smile/keystone Distortion	< .5nm
Noise Level	1.4 e-rms@95.3MHZ
Camera Type	sCMOS
Lens mount standard (other & custom mounts per request)	M42-mount
Cooling	Peltier Cooled / with Fan

Motor Control

Motor Type Servo Thread Driven
 Control Computer Controlled
 Power Supply 24 Volt / Switchable Power

Portability

Mounting 2 (1/4 - 20) mounting Holes
 Upright Microscopes YES
 Tripods YES
 Copy stands YES
 Aircraft Mounts YES

Data Transport
 Dual Camera Link or USB 3.0

Accessories (Included)

Sensor System
 Portable Computer / Laptop with USB3
 Objective Lens
 (10" X 10") 99% Reference Panel
 (2" Round) 12.5% Reference Panel
 Acquisition Software
 Carrying Case



Dimensions, Weight, and Power

Item	Dimensions (In/cm)	Weight (lb/Kg)
Sensor Footprint	L(8") x W(5") x H(8") L(20.32 cm) x W(12.7 cm) x H(20.32 cm)	
Sensor Weight		5.2lbs/2.36kgs

On-site Setup and Training

upon request: ask for quote for these services.
 for ENVI training please contact . Exelis - ENVI developers and Specialists.



Software and Data Processing

Function	Software
Acquisition	PHILUMINA Imaging Software
Pre-processing	PHILUMINA Imaging Software
Operating System	Microsoft XP/Win7/Win8 (32 & 64 bit operating systems)

<http://www.philumina.com>

ALL PHILUMINA' sensors are calibrated to traceable standards
 Specifications subject to change

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