



Certified by the Space Foundation



PHILUMINA-VNIR/400E "VNIR" Series

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

Spectral Range (Continuous Coverage)	400-1000nm
# Spectral Channels / bands	Up to 1000
# Spatial Pixels	1920
Field of view - Lens / Captured (FOV)	LENS ~29° / Captured 21.66°
F/#	F/2.4
Spectral Width Sampling / Row	~.6 nm centered
Spectral Resolution (FWHM)	2.8nm
Pixel Size	4.54µm x 4.54µm
Data Output (Bit Range) ADC OUTPUT:	16 bit
Frame Rate	26 FPS / 26 Hz
Smile / keystone Distortion	< .5nm
Slit Size (W x L)	30 µm X 14.2 mm
Camera Type	CCD/SONY ICX674
Lens mount standard (other & custom mounts per request)	c-mount
Cooling	Uncooled

Dimensions, Weight, and Power

Item	Dimensions (In/cm)	Weight (lb/Kg)
Sensor Footprint	L(10") x W(4") x H(5") L(25.4cm) x W(10.16cm) x H(12.7cm)	
Sensor Weight		4.3lbs/1.95kgs

On-site Setup and Training

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



Motor Control

Motor Type Control	Servo Thread Driven 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



Software and Data Processing

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

Minimum Laptop Specs: i5 processor, 4G Ram, 1T HDD,
 17" LCD monitor, Battery Life > 3 hours

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

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