



Certified by the Space Foundation



Data Transport

USB-2

Accessories (Included)

Sensor System

Portable Computer

Objective Lens

(10" X 10") 99% Reference Panel

(2" Square) 12.5% Reference Panel

Acquisition Software

Carrying Case



PHILUMINA-VNIR/400H "VNIR" Series

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

Performance

Spectral Range (Continuous Coverage)	400-1000nm
# Spectral Channels/bands	Up to 1000
# Spatial Pixels	1392
Field of view (Lens)	29 degrees
F/#	F/2.4
Spectral Width Sampling/Row	~.6 nm centered
Spectral Resolution (FWHM)	2.8nm
Pixel Size	6.45µm x 6.45µm
Dynamic Range	14 bit
Frame Rate	20Mhz
Smile/keystone Distortion	< .5nm
Noise Level	7 e-rms@20MHZ
Camera Type	CCD/SONY ICX285AL
Lens mount standard (other & custom mounts per request)	c-mount
Cooling	Thermal Compensated

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.

Space Technology
improving life
on Earth



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



Software and Data Processing

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

<http://www.philumina.com>

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

Phone: 228-363-4048 Fax: 866-458-2404
Email: info@philumina.com