PHILUMINA-SWIR/2500 "SWIR" Series

Certified by the Space Foundation

Data Transport
USB 2.0

Accessories (Included)
Sensor System
Portable Computer
Objective Lens
(10" X 10") 99% Reference Panel
(2" Square) 12.5% Reference Panel
Acquistion Software
Carrying Case

Sensor Type   Pushbroom - Scanning Portable Turnkey Hyperspectral system

(Addressable Hyperspectral Features)

Performance

Spectral Range (Continuous Coverage)	1000-2500nm
# Spectral Channels/bands	Up to 220
# Spatial Pixels	320
Field of view	30 degrees
F/#	F/2
Spectral Width Sampling/Row	~2.5 nm centered
Spectral Resolution (FWHM)	5nm
Pixel Size	20µm x 20µm
Dynamic Range	14 bit
Frame Rate	60Hz
Smile/keystone Distortion	< .5nm
Noise Level	61db
Camera Type	MCT Detector
Lens mount standard (other & custom mounts per request)	c-mount
Cooling	Peltier Cooled

Dimensions, Weight, and Power

Item	Dimensions (In/cm)	Weight (lb/Kg)
Sensor Footprint	L(11") x W(4") x H(5")	
	L(27.94cm) x W(10.16cm) x H(12.7cm)	
Sensor Weight		6lbs/2.72kgs

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	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)	