



Certified by the Space Foundation



Data Transport
USB 2.0

Accessories (Included)

- Sensor System
- Portable Computer
- Objective Lens
- (6" X 6") Reference Panel
- Acquisition Software
- Carrying Case



THEMIS-SWIR/900M "Transluminous" Series

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

Performance

Spectral Range (Continuous Coverage)	900-1700nm
# Spectral Channels/bands	Up to 230
# 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	30µm x 30µm
Dynamic Range	14 bit
Frame Rate	60Hz
Smile/keystone Distortion	< .5nm
Noise Level	60db
Camera Type	InGaAs Detector
Lens mount standard (other & custom mounts per request)	c-mount
Cooling	Forced Air Cooling

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 ITT systems - 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	THEMIS' HyperVisual
Pre-processing	THEMIS' HyperVisual
Operating System	Microsoft XP/Win7 (Currently 32 bit operating systems)

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

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