



Certified by the Space Foundation



Data Transport
Dual Camera Link

Accessories (Included)

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



THEMIS-VNIR/400T "Transluminous" 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	~2000
Field of view	30 degrees
F/#	F/2.4
Spectral Width Sampling/Row	~.6 nm centered
Spectral Resolution (FWHM)	2.8nm
Pixel Size	6.5µm x 6.5µm
Dynamic Range	16 bit
Frame Rate	95.3Mhz
Smile/keystone Distortion	< .5nm
Noise Level	1.4 e-rms@95.3MHZ
Camera Type	sCMOS (PCO)
Lens mount standard (other & custom mounts per request)	c-mount
Cooling	Peltier Cooled / with Fan

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 ITT systems - 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	THEMIS' HyperVisual
Pre-processing	THEMIS' HyperVisual
Operating System	Microsoft XP/Win7 (Currently 32 & 64 bit operating systems)

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on Earth

