



Gas emission from oil plant.

A HYPERSPECTRAL MODULE FOR OEM INTEGRATION.

The Hyper-Cam Mini Module xLW is the latest of Telops' Mini series. Strong from its world-leading position in advanced infrared spectroradiometer imaging technology, the Hyper-Cam Mini Module is specifically engineered to meet the needs of OEM integrators. The Mini Module is designed with adapted optical, thermo-mechanical and electrical interfaces to perfectly address the requirements of system integration.

TYPICAL USES

- Infrared signature measurement.
- Gas detection, identification and quantification.
- Stack emission monitoring.
- Gas leak monitoring.
- Tracking of dangerous chemical.
- Geological analysis.
- Forensic studies.



SPECIFICATIONS

SPECTRAL RANGE	7.4 - 12.5 μm
SPECTRAL RESOLUTION	adjustable up to 4 cm^{-1}
RESOLUTION FIELD OF VIEW	13.5 x 10.9°
IMAGE SIZE	320 x 256 pixels
OPTICAL HEAD INCLUSIONS	Boresighted visible camera
OPTICAL HEAD POWER CONSUMPTION	< 50 W
OPTICAL HEAD SIZE	25 x 17 x 19 cm
CONTROL BOX SIZE	23 x 21 x 18 cm
OPTICAL HEAD WEIGHT	< 9 kg
CONTROL BOX WEIGHT	< 4 kg
TYPICAL NESR	< 35 $\text{nW}/(\text{cm}^{-2} \text{ sr cm}^{-1})$
COMMAND & CONTROL	Software Development Kit

Please note that specifications are subject to change.



Control and Processing Box

KEY BENEFITS

COMPACT & LOW SWaP:

With low Size, Weight and Power (Low-SWaP), it is perfectly suited for integration into aerial, mobile or permanent remote sensing installations.

SELECTABLE SPECTRAL RESOLUTION:

The Hyper-Cam Module offers the best spectral resolution available, and is user-selectable up to 4 cm^{-1} . This, coupled with swappable fore-optics, optimizes ground coverage.

HIGH SPATIAL RESOLUTION:

The Hyper-Cam Module provides the highest spatial resolution on the market. It uses the latest 320 x 256 pixel cooled SLS detector to ensure excellent 2D image quality.

HIGH SENSITIVITY:

The Hyper-Cam Module integrates unique FTIR technology which provides unprecedented sensitivity for applications that require high spectroradiometric data quality.

EXTREME FLEXIBILITY FOR INTEGRATORS:

The Hyper-Cam Module comes with a separate optical head and processing unit, and a powerful software suite for the commands, controls and processing of data.

Also offered are an optional software development kit (SDK) as well as a full compatibility with third party softwares such as ENVI.

FOR MORE INFORMATION | TELOPS.COM

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