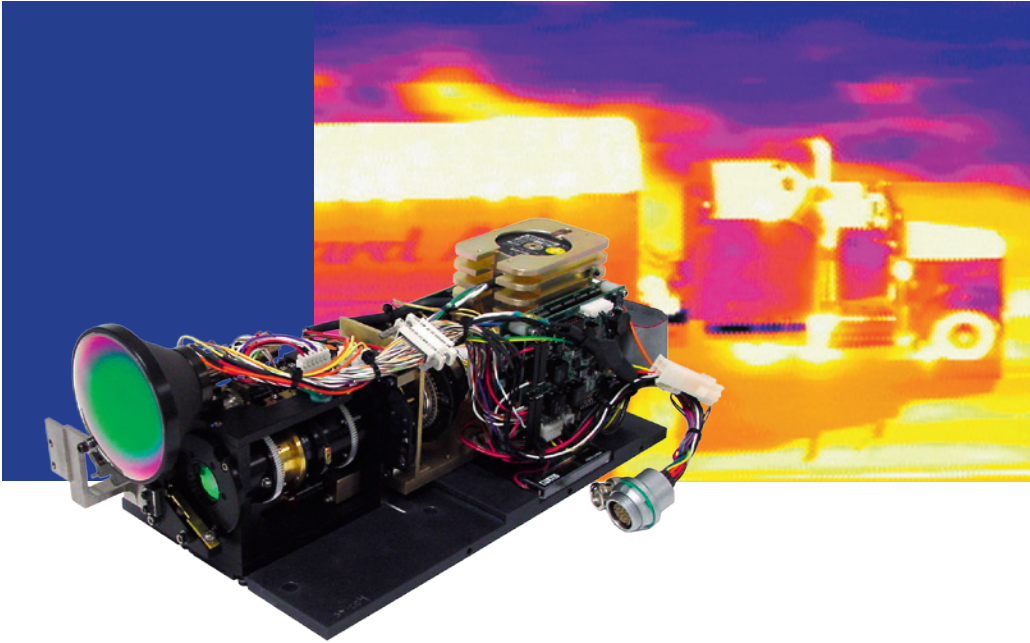


Tri-Field Thermal Camera Module

Mid-Wave Thermal Imaging Camera Module

www.axsys.com



The Axsys Tri-Field Thermal Camera Module is a mid-wave thermal imager designed for easy installation into user based security and surveillance equipment. Able to quickly change its Field of View, this camera provides wide angle situational awareness, and long range target recognition with quick Field of View change.

Operating in the 3–5 μ m spectral region, which is best for marine and high humidity environments, the Tri-Field Module utilizes advanced cooled InSb photodetector technology in a 320 x 256, focal plane array, or optionally a 640 x 512, focal plane array for maximum resolution. The Module is compact and easily integrated into an existing system via an RS232/RS422 interface, handheld pendant, or rack mounted controller. It offers motorized focus and field of view switch and Axsys' user-friendly plug and play operation.

Axsys provides leading edge IR equipment to the security and surveillance sector. Axsys' proprietary optical designs, state-of-the-art laboratories, and vertically integrated manufacturing capabilities ensure maximum performance and dependability.

FEATURES

- Auto and Manual Focus
- Compact size
- Remotely Controlled
- High Sensitivity Mode
- Tri-Field of View (17/60/200mm)
- 31.5°, 9.1°, and 2.7° Tri-Field of View
- Cooled 3-5 μ m IR Detector Technology
- Easily Integrated into User-Based Systems

Tri-Field Thermal Camera Module

System Specifications

Axsys Part Number	22889 23192 ("S" model)
Video Format	NTSC, PAL, or optional digital output ("S" Model only)
Serial Interface	RS-232/RS-422
Power Requirements	22889: 11–16 VDC input, 18 Watts typical@ 25° steady state 23192: 10.5–13.2 VDC input, 24 Watts typical@ 25° steady state
Environmental	System must be housed in protective enclosure Operating Temperature Range: -10°C to +60°C Non-Operating Temperature Range: -40°C to +70°C
Controls	Controls available on a hand held pendant or through a PC via an RS-232/422 link
Mounting Model)	See Axsys Dwg. No. 22889 or 23192 ("S" Model)
Weight	<6.5 lbs. (2.9kg)
Length	<12" (30.5cm)

Sensor Specifications

Tri-Field Model Detector	320 x 256 InSb FPA
Tri-Field-S Model Detector	640 x 512 InSb, FPA
Spectral Band	3–5µm

Optical Characteristics

Spectral Band	3–5µm.
Lens Type	Tri-Field of View, 17/60/200mm
f/#	4
Lens Features	Motorized remote operation Auto and manual focus adjust Tri-Field of View
Field of View	31.5° x 23.9° (Wide), 9.1° x 6.9° (Mid), 2.7° x 2.1° (Narrow)