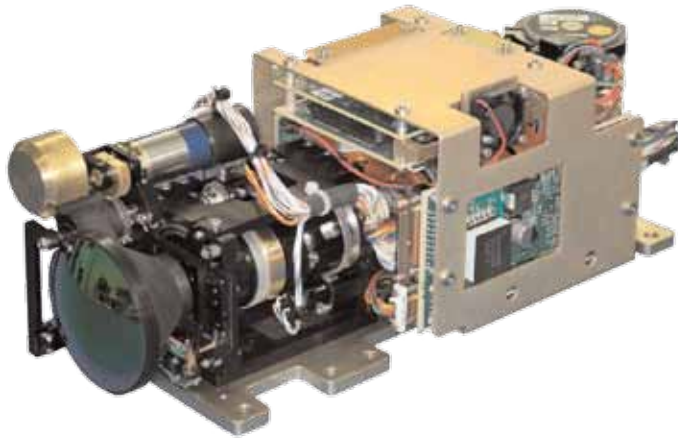


Tri-Field Thermal Camera Module

Mid-Wave Thermal Imaging Camera Module



The Axsys Tri-Field Thermal Camera Module is a mid-wave thermal imager designed for easy installation into user based security and surveillance equipment. With horizontal fields of view discretely variable in three steps from 31.5° to 2.7°, it provides wide angle situational awareness, as well as 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, 30 μ m pitch focal plane array, or optionally a 640 x 512, 15 μ m pitch 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.

www.axsys.com

KEY 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 (17/60/200mm)
- 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	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 30µm pitch
Tri-Field-S Model Detector	640 x 512 InSb, FPA 15µm pitch
Spectral Band	3–5µm

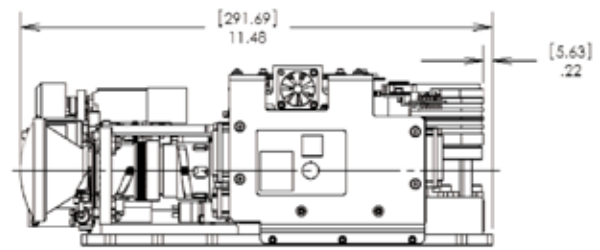
Optical Characteristics

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)

Construction of Axsys Part Numbers

Code	Feature Referenced Options	Example (part # plus code)
Bn	Baud Rate (Default = 9600)	23048B3
B1	4800	
B3	19200	
B4	38400	
B5	57600	
B6	115200	
P	PAL Video Format	23048P

Note: To construct Part Numbers, start with base code, add other desired options alphabetically (excepting that "P" must be last), and then add kit designator.
Example: 23181F2H1ZP-600



Tri-Field Thermal Camera S-Module, Side View

