



## **CAM\IR 2208S - Aerial Series**

- APPLICATIONS:**
- LAW ENFORCEMENT**
  - MILITARY**
  - SEARCH/RESCUE**
  - SURVEILLANCE MISSIONS**
  - WILDFIRE**
  - POWER LINE MONITORING**
  - OFFSHORE OPERATIONS**



### **FEATURES**

- Rugged gyro stabilized gimbal
- 640X480 high resolution infrared camera \*
- Advanced command and control
- Digital zoom

\*Authorized Agencies only, 320x240 International and Domestic models available\*\*

### **OPTIONAL FEATURES**

- Visual and multi camera system
- High resolution monitor
- Auto tracking
- Laser range finder



\*\*Export Restrictions and License apply for all models

[www.infrared.com](http://www.infrared.com)

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Dual Sensor Gimbal

## **ADDITIONAL FEATURES**

- Lightweight
- High slew rate
- Serial interface
- Continuous 360° pan
- Versatile payload configuration

## **ADDITIONAL OPTIONS**

- GPS overlay
- Video recording
- Computer interface

The CAMIR 2208S gyro stabilized gimbal is developed for applications requiring an ultra small, high-performance gimbal system. The CAMIR 2208S includes control and video output support for one, two or multi sensor payloads controlled via a serial digital link with complete flexibility in the system installation. The CAMIR 2208S features sealed payload volumes and low friction azimuth and elevation seals designed to withstand the harsh environments associated with airborne and marine applications.

## **MONITOR OPTIONS**



Image Switchable Monitor (left)



Dual Image or Dual Monitors

For specifications and additional information, please contact us.

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## CAM\IR 2208S Series Specifications

### CAM\IR 2208S Payload Configurations

Cameras	Image Resolution	Lens	HFOV (deg)	Voltage	NTSC Video CCT P/N
On-Board Image Processing					
Sony FCB-EX980	720 x 525	26x Optical	55.0°-2.3°	12V	900-90021-00-1
FLIR Photon 640	640 x 480	60mm	15.0°	24V	900-90021-10-1
Sony FCB-EX980	720 x 525	26x Optical	52.0°-2.5°	12V	900-90021-01-1
FLIR Photon 640	640 x 480	Dual Field of View	22.5°-9°	24V	900-90021-11-1
Ground Based Image Processing					
Sony FCB-EX980	720 x 525	26x Optical	55.0°-2.3°	12V	900-90021-00-0
FLIR Photon 640	640 x 480	60mm	15.0°	24V	900-90021-10-0
Sony FCB-EX980	720 x 525	26x Optical	52.0°-2.5°	12V	900-90021-01-0
FLIR Photon 640	640 x 480	Dual Field of View	22.5°-9°	24V	900-90021-11-0

### GIMBAL

#### Performance:

- Rotation limits: continuous pan, + 40° / -220° tilt
- Slew Rate: 200°/sec
- Pointing Resolution: 0.023°

#### Environmental

- Operating Temperature: -20C to +70C
- Fully rain and dust proof

#### Electrical

- Vin: 10 – 30 Volts
- Power: 25 W (typical) 50 W (max)

#### Mechanical

- Size: 6 x 7 x 9 inches (152 x 178 x 229 mm)
- Turret Diameter: 7.0 inches (178 mm)
- Camera Payload Volume: 125 in<sup>3</sup> (2.048 dm<sup>3</sup>)
- Weight: 5.0 lbs (2.3 Kg)

#### Interface

- Control Interface: RS-232 and CAN



## CAM\IR 2208S Series Specifications

### NIGHT VISION COMPATIBLE DISPLAY

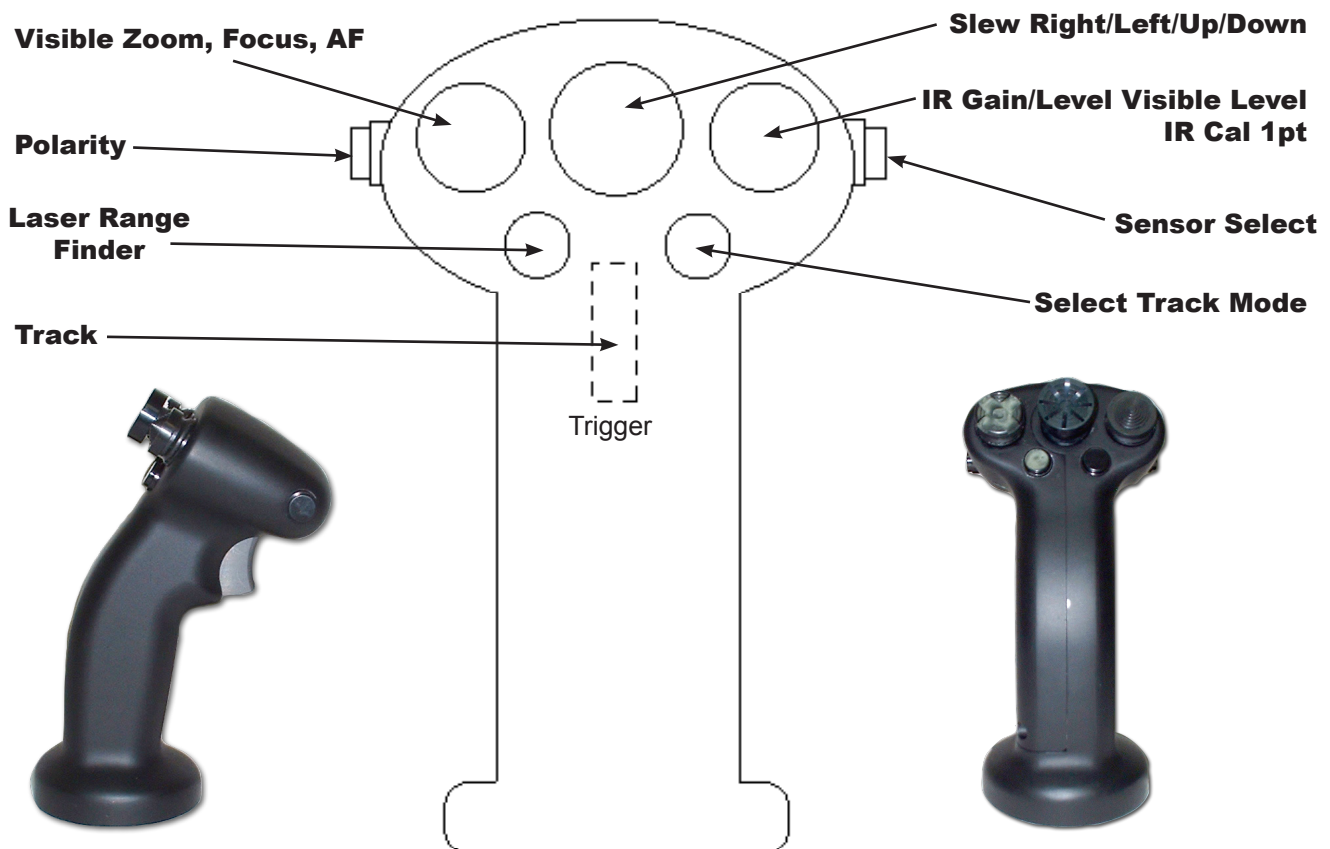
An optional monitor offers a proven and fielded Night Vision Goggle (NVG) compatible and sunlight readable display. Our display is qualified and tested to MIL-STD-810E and MIL-STD-461. It has an 8.4" rugged flat panel display for use in tactical and surveillance missions.



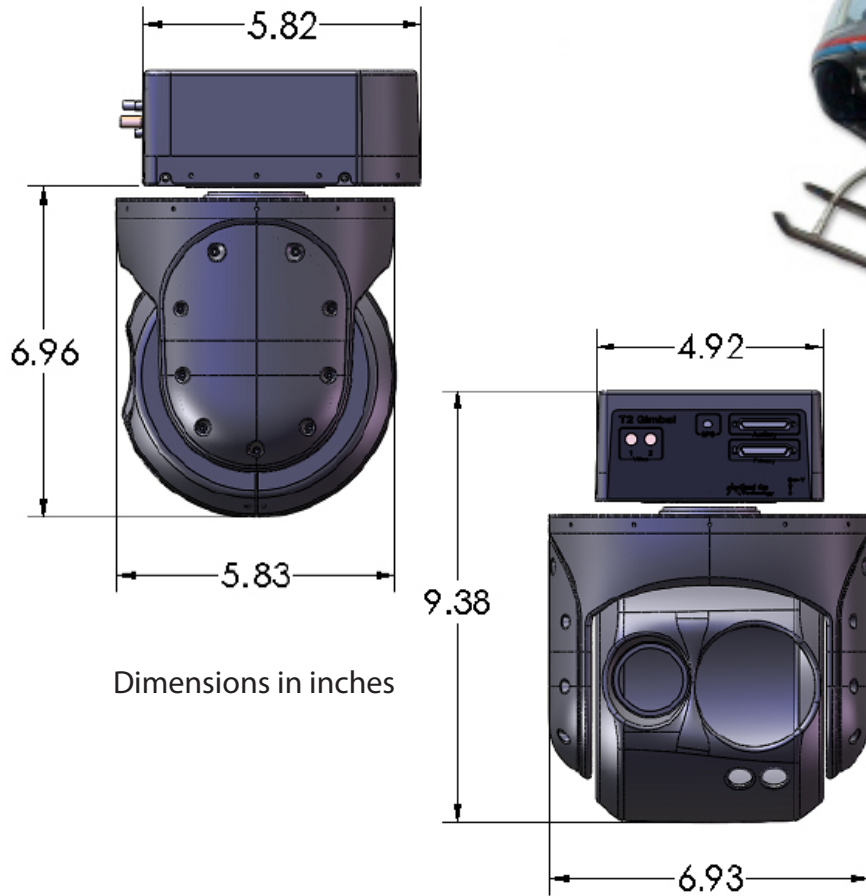
### HANDGRIP CONTROLLER (HC)

The CAM\IR 2208S system can be controlled by a multi-function handgrip controller designed for ease of use in either hard mounted, tethered or independent control. The handgrip has sealed switches and is fully marinated for harsh environments. It provides quick manual control over all the gimbal's functions, including:

- Line of sight steering
- Optional Laser Range Finder
- Optional Focus and Zoom
- Track mode selection
- FLIR and TV sensor control
- Calibration



## **CAM\IR 2208S Series**



Dimensions in inches



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