

Active Infrared Security System 509

Applications:

⇒ **Military:**

- Warehouse Rollup Doors
- Critical Assets
- Arms Rooms
- Ammo Supply Points

⇒ **Commercial:**

- Airports
- Banks
- Critical Sites and Facilities
- Factories
- Museums
- Prison
- Exclusive Homes

⇒ **NRC**

- Commercial Nuclear Power Facilities
- Critical Sites and Storage Facilities

⇒ **Dept. of Energy (DoE)**

- Critical Sites and Storage Facilities

The Active Infrared Security System IRG509 is designed to operate indoor and outdoor. This technology offers a proven track record and may be employed in challenging applications unmatched by other sensor technologies. The scientifically developed optics and electronics guarantee maximum performance and system longevity.

Key Benefits:

- Interior and Exterior Applications
- Multiple Beam Options, Scalable to Customer Needs from 20 cm (7.8 in) to > 4 meters (16 ft) Height
- Environmental Class IP65
- Detects Adversaries at Any Speed (walking, running, run/jumping, crawling, and rolling)
- Insusceptible to Sunlight or other Light Sources and Changes in Temperature
- Performance Rating > than 99.8%
- Various Types of Tower Configurations:
 - * From 20 cm (7.8 in) to > 4 meters (16 ft) Height
 - * Clear or Black Anodized
 - * Powder Coated in RAL-Colors
 - * Custom Designed Mounting Options
- Integrate to Existing or New Security Systems
- Precision Alignment Utilizing Advanced Adjustment Device IRG-100-A-L
- Five Year Limited Warranty

System Features:

- Active Infrared Sensor
- Detection Range: Indoor up to 100 meters (325 ft) and Outdoor up to 70 meters (230 ft)
- IR-beam: Wave length 890nm, Adjustable 25° Horizontal, and 12° Vertical
- Power Supply: 12 VDC
- Alarm Trigger Delay: 25 to 500ms
- Alarm Relay Signal: 1.5 seconds
- Detection Performance greater than 99.8%
- Low Nuisance and False Alarm Rate (NAR / FAR)
- Tamper-proof
- Dimensions one-beam system: 220 x 40 x 40 mm (H x L x W)
- Operating Temperature:
 - * Interior use: 10°C to 75°C (50°F to 167°F)
 - * Exterior use: -30°C to 75°C (-22°F to 167°F) (using additional heating element IRG-1xx)

