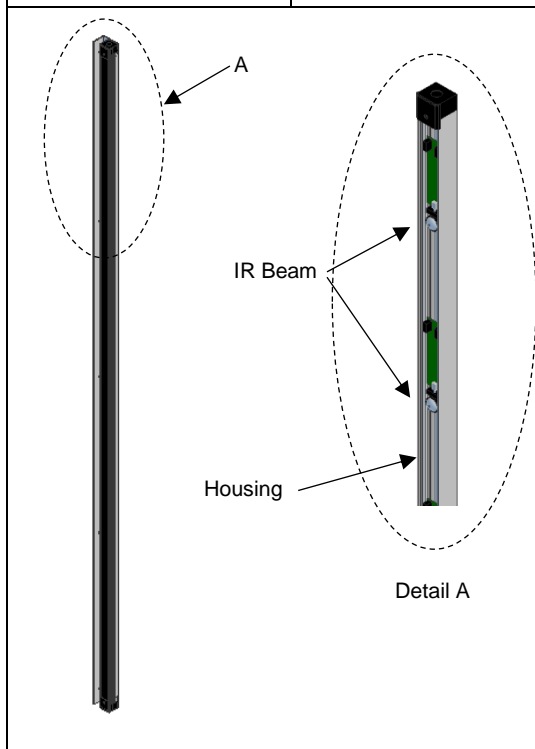


TECHNICAL DATASHEET

IRG-509-10M

INDOOR ACTIVE INFRARED INTRUSION DETECTION SYSTEM



Features:

The IRG-509-10M Indoor Active Infrared Intrusion Detection System is configured with **10 IR-beams**. For the first 1.5 meters the system has a tight optic spacing to protect against advanced adversary tactics. The scientifically developed optics and electronics guaranty maximum performance and system longevity.

The IR beams are integrated into an extruded and clear anodized aluminum housing with a dark tinted acrylic front cover. The multiple beams are synchronized. The housing has multiple tamper switches to provide tamper protection. Insusceptible to sunlight or other light sources. Easily integrates into existing Command Control and Display Equipment (CCDE).

Each lens has an active diameter of 20 millimeters. The alarm is only trigger if the lens is 98.5% covered. Low Nuisance and False Alarm Rate (NAR / FAR)

Detection performance greater than 99.8%.

Detects following intrusion types: Vehicles, walking, running, run/jumping, crawling, and rolling

Sensor can be quickly & easily aligned, using the advanced adjustment device IRG-509-AKW-100

Typical Applications:

Secure Area Defense, Airports, Government Facilities, Critical Sites and Facilities

Technical Specifications:

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| Part Number: | IRG-509-10M |
| Dimensions: | Height: 238 cm (7 ft. 10 in.); Width: 40 mm (1.6 in); Depth: 40 mm (1.6 in) |
| Detection Pattern: | Height: 225 cm (7.4 ft); Width: 20 mm (0.8 in) Length: Internal 90 m (290 ft.) |
| Infrared Optic Diameter: | 20 mm, adjustable 25° horizontal and 12° vertical |
| Optic Beam Qty / Optic Spacing: | Ten beams , first seven beams are spaced 200 mm, last three beams are spaced 300 mm |
| IR Beam: | 890 nm, pulse-code modulated |
| Alarm Contact: | Dry contact relay output; max rating 60V / 0.2A |
| Alarm Trigger Delay: | 25 -500 ms adjustable |
| Alarm Signal Length: | 1.5 seconds |
| Alarm Outputs: | Tamper alarm; Intrusion alarm |
| Probability of Detection (Pd): | Greater than 99.8% |
| Input Voltage Range: | 12- 24 VDC; |
| Power Consumption: | 950 mA (100 mA Sensors, 850 mA Heaters) |
| Operating Temperature: | Internal use with heater -20° C to 75° C |
| Environmental Rating: | IP65 |
| EMC / EMI: | Protected |
| Weight: | 4 kg each IR Tower |
| Options: | <ul style="list-style-type: none"> ➤ Custom color coating of the extruded aluminum housing and mounting bracket ➤ Power Supply with Battery Management System (UPS) ➤ Custom mounting solutions |