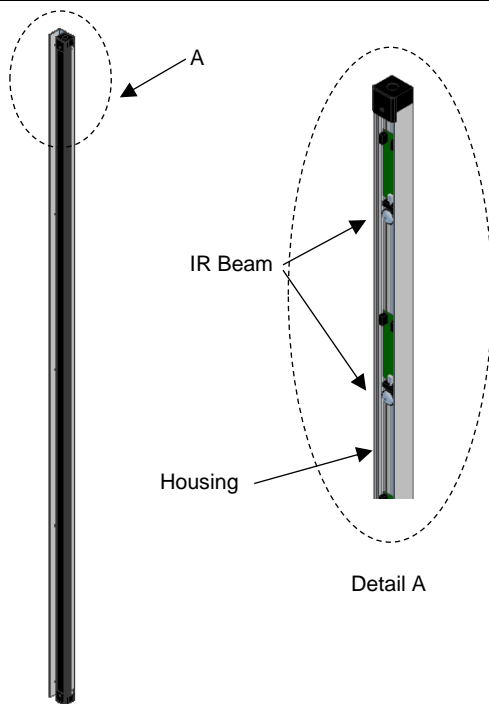


TECHNICAL DATASHEET

IRG-509-15M

INDOOR ACTIVE INFRARED INTRUSION DETECTION SYSTEM



Features:

The IRG-509-15M Active Infrared Intrusion Detection System is configured with **15 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:

Part Number:	IRG-509-15M
Dimensions:	Height: 385 cm (12 ft. 8 in.); Width: 40 mm (1.6 in); Depth: 40 mm (1.6 in)
Detection Pattern:	Height: 375 cm (12.4 ft.); Width: 20 mm (0.8 in) Length: Internal 90 m (290 ft.)
Infrared Optic Diameter:	20 mm (0.79 in), adjustable 25° horizontal and 12° vertical
Optic Beam Qty / Optic Spacing:	Fifteen beams , first seven beams are spaced 200 mm, last eight 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:	1.4 Amp. (150 mA Sensors, 1,250 mA Heaters)
Operating Temperature:	Internal use with heater element -20° C to 75° C
Environmental Rating:	IP65
EMC / EMI:	Protected
Weight:	7.5 kg each IR Tower
Options:	<ul style="list-style-type: none"> ➤ Custom powder coating of the extruded aluminum housing and mounting bracket ➤ Power Supply with Battery Management System (UPS) ➤ Custom mounting solutions