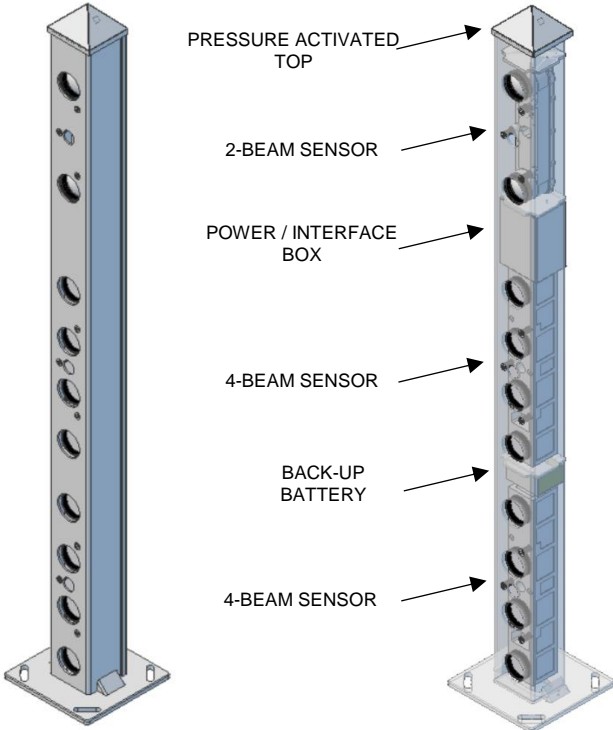


TECHNICAL DATASHEET

IRZTA3-10
ACTIVE INFRARED ANTI-CLIMB TOWER

IR Global is the exclusive manufacturer of the original EAG GERMANY active infrared detection system including engineering, installation, and maintenance support.

	Features Anti-climb tower IRZTA3-10 is configured with 10 IR-beams using two robust 4-beam sensors and one robust 2-beam sensor. The two 4-beam sensors create a tight optic spacing for the first 1.6 m (63 in) to protect against advanced adversary tactics
	Detection performance greater than 99.8% Anti-climb tower is constructed from 6061-T6 aluminum U-channel profile, base plate and all support plates are welded, tower is clear anodized Tower has a pressure activated top cap (PAT) and multiple tamper switches to provide tamper protection Detects following intrusion types: vehicles, walking, running, run/jump, crawling, rolling, tower climbs Easily integrate into existing Command Control and Display Equipment (CCDE) IR-Sensors, power management, interface circuit board and backup power are securely located inside the tower profile to provide EMC/ EMI protection External power and data cable can be routed through the middle of the base plate or optional through liquid tide connectors on the side panel of the towers
	Typical Applications Perimeter Defense; Secure Area Defense; Military Bases; Airports; Government Facilities; NATO; Nuclear Plants; Critical Sites and Facilities

Technical Specifications

Part Number	IRZTA3-10
Dimensions	Height 264 cm (104 in); Width 18.2 cm (7.2 in); Depth 16.8 cm (6.6 in)
Detection Pattern	Height 240 cm (94.5 in / 7' 11"); Width 90 mm (3.5 in); Length 150 m (490 ft) average weather condition; 70 m (230 ft) heavy fog, snow, sustained rainfall
Alarm Contacts	Dry contact relay, output; max rating 30V/1A
Alarm Trigger Delay	20 -120 ms (hardware settings)
Alarm Signal Length	2 seconds
Alarm Output	Tamper alarm; Intrusion alarm; AC fail, Battery low
Probability of Detection (Pd)	Greater than 99.8 %
Input Voltage Range	90 – 260 VAC or 12 – 24 VDC-UPS
Backup Power System	Rechargeable Battery, backup time > 4 hrs (not available for VDC input)
Power Consumption	125 mA in 24 V Mode; 250 mA in 12 V Mode
Operating Temperature	-40° C to 70° C (-40° F - 158° F)
Environmental	95% RH non-condensing, 100% RH condensing
EMC / EMI	Protected
Weight	68 kg (149.5 lbs)

TDS-IRZTA3-10_ANTI-CLIMB-TOWER_rev03