

MMD-SYSTEM

200m (X-Band)



A TURNKEY SECURITY SOLUTION FOR
TEMPORARY PROTECTION OF HIGH-RISK SITES

<•••> IP-READY PoE

FUZZY LOGIC
INSIDE

The MMD-system rapidly deployable microwave barrier, meets the requirement to keeping people, property and assets secure in outdoor temporary camps.

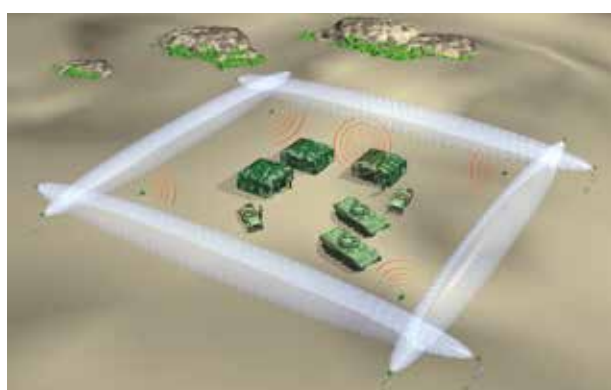


MMD System – Mobile Microwave Barriers for Temporary Protection: A mobile and highly effective solution for temporary protection of military and civilian sites at risk. Mounted on tripods, these microwave barriers create invisible detection zones with a range of up to 200 meters. They detect intrusions and send radio signals to the MMD control unit for centralized monitoring. Equipped with armored cables, military-grade connectors, and a robust trolley, the system is easy to transport.

Technical Specifications

- ✓ **Fuzzy Logic Algorithms:** this analysis enables the evaluation and **dismissing of small signals** (rain, wind, traffic vibrations, blowing snow and/or debris, small impacts, birds, small animals) and **allowing large impacts** (Walking, Running, Crawling, Rolling) by a person **to generate a real alarm** by comparing interruption signals to 256 behavior models studied in the past. This analysis drastically reduces the False Alarm Rate (FAR) because small signals are ruled out as an intrusion event.
- ✓ **Rapid deployment solution:** The MMD is composed of a kit that includes: a bi-static volumetric microwave pair (transmitter and receiver), a portable control unit to collect alarms, tripods for mounting, battery packs to power and flight cases for secure transport. This plug and play systems takes about 20 minutes to set up and requires no tools, thanks to the built-in bubble, and adjustment knob.
- ✓ **Long duration:** Battery packs that power the system are rechargeable and have up to a 20-day battery life depending on how active the system is. CIAS recommends a back-up battery pack to use while the first recharges to ensure continuous coverage.

MMD-Ssystem is ideal for all situations that require a short-term, rapidly deployable security solution, such as: **construction sites**, where high-value machinery must be protected; **military camps** and Forward Operating Base (**FOB**) or **ammunition depots**; temporary parking areas for private and officials aircrafts used by government officials or other VIPs; **special events and large gatherings**, where a short-term perimeter is required at a non-permanent location to deter theft and manage crowd control; and **mining, oil, or energy exploration sites** that require temporary camps and equipment protection.



TECHNICAL SPECIFICATIONS

RANGE	200 meter
FREQUENCY	10.525 GHz
AUTONOMOUS POWER SUPPLY	up to 20 days
CABLES	armored cables and military-grade connectors
OPERATING TEMPERATURE	-40°C / +65°C
TRANSPORT PACKAGING	reinforced trolley cases
ALARM TRANSMISSION RANGE	radio transmission from 500 to 1000 m; for longer distances, use an additional antenna