

I-Bex Radar Integration Module detects suspicious motion by using the data received from the radar and tracks the objects automatically. When a suspicious motion in a pre-defined region of interest (ROI) is detected, the system;

- generates an alarm
- triggers the PTZ cameras to track the suspicious object and
- triggers the fixed cameras to start video analytics.

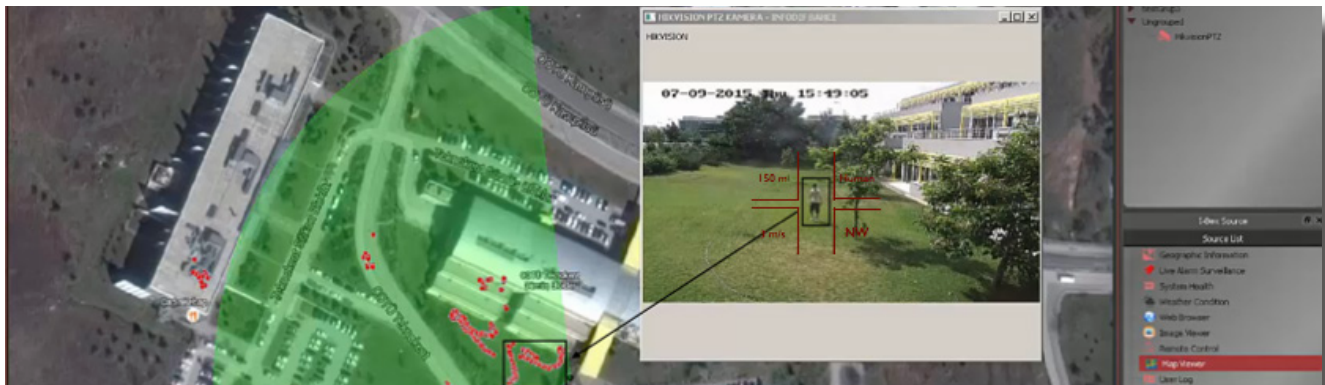
Live display of both fixed and PTZ cameras viewing the ROI simultaneously is possible with I-Bex Radar Integration Module. I-Bex uses Geographical Information System (GIS) technology, to display the path of the moving object on the map. ROI-based video analytics capabilities of I-Bex (video motion detection, entrance / exit detection etc.) is used to cross-check the motion data received from the radar to minimize false alarms.

## System Capabilities

- Automatic target tracking & classification (human, vehicle and other)
- Supported with video analytics features for low false alarm rates
- Multi target tracking with multiple cameras
- Live alarm monitoring on the map
- Monitoring distance, speed, type and direction of the object
- Supports IP, fixed, electro-optic, thermal and digital PTZ cameras
- Supports all ONVIF compliant cameras
- Camera brand / model independent
- Intelligent & user friendly interface
- Compatible with I-Bex Video Management Platform

# Sensor Specifications

Sensor type	High resolution MIMO digital beam-forming radar
Frequency	5.5 Ghz
Detection range	Up to 400m Human & 600m for Vehicle/Boat
No moving parts	MTBF of 100,000 hours
Built in tracker	Extremely low required bandwidth (<1kbps)
Scan rate	2 scans per second
Azimuth coverage	120°
Elevation coverage	30°
Range accuracy	0.4m resolution
Azimuth accuracy	1°
Target detection speed	0.3 - 30 m/sec
False alarm rate	<1 per day
Power	9 - 32V , <2.5W
System interface	Ethernet or RS-422 available
Dimensions	9.8''(w) x 5.8''(h) x 2.3''(d)
Weight	3.3 Lbs
Environmental	Full outdoor functionality, IP67. FCC & CE compliant



IBEX-VAOS	Enterprise Video Management Operating System
IBEX-BASE-L	Enterprise Video Management Software
IBRDRS1EX	Radar System Integration
IBRDRS1EX-EP	Radar System Endpoint
INFMS652-OO	Setoff Fixed Installation Brackets
INFMS686-OO	Radar Outdoor Grade Operation Cable
INFMS964A-OO	Radar Sensor

InfoDif is a Turkish software company which has a disruptive technology in video analytics. InfoDif is dedicated to development of a broad range of video surveillance and intelligent video analytics products and solutions. We have partnerships with prominent technology companies and we serve several customers including large enterprises and government agencies.

InfoDif has more than 10 years R&D experience and completed several large scale projects in medical, industrial, civil security and defense domains. InfoDif scaled its know-how to product phase diffusing its knowledge in its products. InfoDif offers complete solutions for traffic, retail, civil and homeland security.