

Medium Range Multi-Sensor Surveillance System for perimeter security and HLS

FIREFLY 500



FIREFLY 500 is compact multi-sensor system designed for perimeter security using medium range radar, automatic target classification, one panoramic picture of 4X HD Low Light cameras and an option for thermal PTZ camera.

Objects detected by the Radar, or Video Analysis are transmitted to command and control center or can be locally recorded on the system for future extraction.

Using ONVIF protocol the FIREFLY 500 can be easily installed and integrated with any kind of C4I system for video storage and remote control.

Features

- 4x2MP Low Light Cameras for observation capability
- Medium range staring radar
- Internal Recording
- Minimum energy consumption
- Automatic target classification
- Remotely control
- Multiple communication options (LAN, WiFi, Cellular, UHF)
- Easily integrated with C4I Systems
- Designed for unattended use
- Onvif Protocol

Optional

- Onboard VMD
- Deep Learning Classification
- Fusion between the Radar and the Optics
- Thermal PTZ Imager
- Wireless Communication
- External Batteries

Applications

- Border Protection
- Airports Security
- Critical Assets
- Public Transportation
- Unattended Mobile Security

Specifications

Day camera

Resolution	2MP x4 Low Light cameras
Digital zoom	x10
FOV	25° x 4 100°

Radar

Human detection range	500 m
FOV	90°
Frequency	5.5GHz

Video streaming

Compression	H.264
Multi cast	TS
Unicast	RTSP MPEG4
Bandwidth	0.1-4 MBit/s

Mechanical

Size	185H x 245W x 125L mm
Weight	2.5 kg

Thermal cameras (optional)

PITCH	17µm
Resolution	640x480
FOV	18° Horizontal
Pan angle	345°
Tilt angle	+45° to -90°

Communication

Wi-Fi (optional)	2.4-2.485 GHz
Ethernet	10/100 Mbit/s
Cellular (optional)	4G, LTE

Power

Input voltage	9-32V / POE 48V
Power consumption	30W Ethernet
Standby mode	0.5W

Environmental

Operating temp.	-30°C to 55°C
Environmental	IP67

