



FIREFLY 140

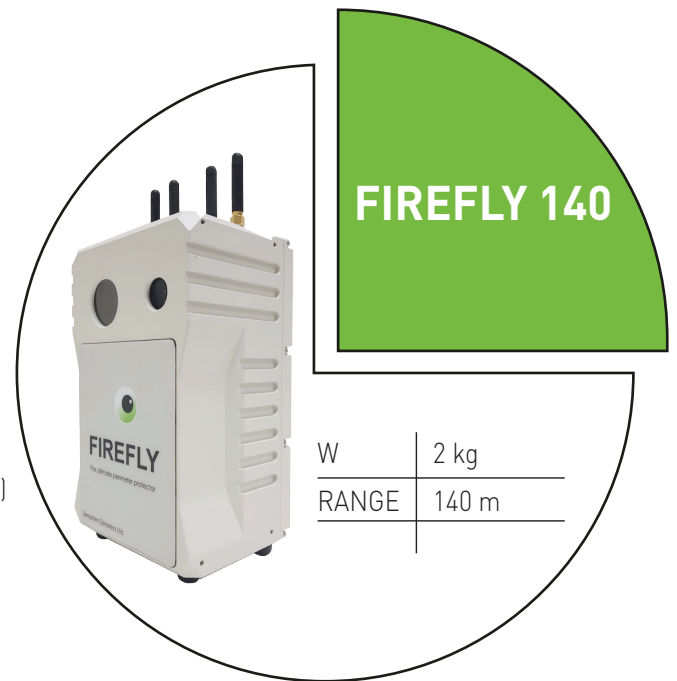
Short Range Multi-Sensor Surveillance System For perimeter security and HLS

SYSTEM DESCRIPTION

FIREFLY is part of Seraphim Optronics compact, unify multi-sensing line of products, **using short range radar, HD day and thermal cameras** for HLS, Security and Defense applications. remotely-controlled for observation and target acquisition. Enable multi-tasking missions by fast deployment capabilities under various field conditions. Integrated with external sensors such as seismic sensors and remote command and control

FIRE FLY MAIN TECHNICAL FEATURES

- Dual Cameras (day/ thermal) for observation capability
- Short range staring radar
- Internal Recording
- Remotely control
- Multiple communication methods (**Lan, Wi-Fi, Cellular, UHF**)
- Easily integrated with C4I Systems
- Designed for unattended use
- Minimum energy consumption (using "sleep mode" or external batteries)
- No infrastructure is needed
- Onvif
- **Optional**
 - Onboard VMD
 - Deep Learning
 - Low light camera
 - POE

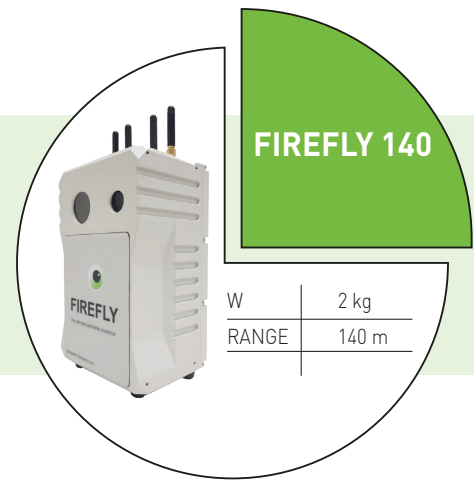


APPLICATIONS

The FIREFLY is the optimal cost effective solution for:

- Perimeter security
- HLS
- Force protection
- Covert surveillance
- Mobile operations





Technical Data

Characteristics	Value
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Day Camera

1. Resolution	5MP
2. Field of View	60° Horizontal
3. Pitch	1.4 μm

THERMAL CAMERA

1. PITCH	17 μM
2. Resolution	640x480
3. NETD	<35mk
4. FOV	57° Horizontal

RADAR

1. Detection Range	140m
2. FOV	60°
3. Tx Power	20 dBm
4. Radio Frequency	24.00 - 24.25 GHz
5. FCC approved	

COMMUNICATION

1. Wi-Fi	2.4-2.485GHz
2. 1W	Tx power
3. Ethernet	10/100 Mbit/s
4. Cellular	4G, LTE

VIDEO STREAMING

1. Compression	H.264
2. Multi Cast	TS
3. Unicast	RTSP MPEG4
4. Bandwidth	0.1-4Mbit/s

POWER

1. Input Voltage	9-32V
2. Power Consumption	<10W (Wi-Fi Streaming for video and radar)
3. Standby Mode	>0.2W

MECHANICAL

1. SIZE	W120xH200xL100 mm Without antennas
2. Weight	2kg

ENVIRONMENTAL

1. Operating Temp.	(-30°)÷55°C
2. Vibration	2g RMS for each axis
3. Environmental	IP67