

Gateway-S



Compact & lightweight base station

- Collection & storage of all sensor information generated by the system
- Can be configured in two different modes: Base station & mobile base





GATEWAY-S

PART OF THE FLEXNET PLATFORM

The Gateway - S is an intelligent base station where sensor information is collected and stored. It is equipped with a radio for communication with deployed sensors along with a USB port for connection to backbone networks.

Designed as a compact and lightweight base station, the Gateway - S communicates with any of the deployed Flexnet sensors and cameras in the mesh network within a 1km range.

The Gateway - S can be configured and run in two different modes: base station and mobile base. The Gateway - S can be deployed as an autonomous base without being connected to a computer.

As the Gateway - S is able to store data from deployed sensors and cameras, the system can be left unattended for weeks when connected to an external power source.

When set in "silent mode", alarms and images can be stored until retrieved by the operator.

The Gateway - S can be connected to 3G/4G modems, satellite communication or other backhaul networks via TCP/IP, to allow remote communication and control.

The size and weight of the Gateway - S makes it ideal for shorter missions.

Technical specifications

Size	106mm x 40mm x 175mm
Weight	0,9kg
Operational endurance	5 days on internal rechargeable battery, (external battery can be connected).
Temperature	-32 to +71° Celsius in operation
Environmental	MIL-STD-810
EMC	MIL-STD-461
Tamper alarm	Built-in anti-tamper function with GPS
Position	GPS for self-location

Performance

		Short-range radio
Radio frequency	Other frequency upon request	315-350 MHz 868-870 MHz 906-925 MHz
Radio output power		500 mW
Antenna type	Vehicle and fixed antennas upon request	Half-wave and quarter-wave whip antenna
Cable connection	Ethernet, Serial, USB	

Capabilities

- Compact and lightweight base station
- IP 3G/4G/LAN/Satcom backhaul communication
- Data storage and recording capability
- Rapid deployment