

# GATEWAY - S

SHORT-RANGE BASE STATION



COMPACT AND  
LIGHTWEIGHT  
BASE STATION





## 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

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

### Performance

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

### Capabilities

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