

Gateway-V



FLEXNET



Flexnet video control

- Control unit for advanced cameras & radar
- Enhanced Gateway with a storage module, a dedicated processor for video compression & analysis





GATEWAY-V

PART OF THE FLEXNET PLATFORM

The Gateway - V connects Flexnet with external network cameras, such as remotely controlled Pan-Tilt-Zoom (PTZ) cameras and radars.

The Gateway - V is an enhanced Gateway with a storage module, a dedicated processor for video compression and analysis, and offers various backbone communication solutions. It has a secondary Ethernet port and a serial input for connecting other devices such as radars, sensors and third-party cameras.

The Gateway - V shares all existing Gateway features, including both short-range and long-range radios. The short-range radio communicates in the mesh network with any of the deployed sensors and

the long-range radio communicates with other Gateways to relay sensor's data and imagery at extended ranges.

When triggered by a sensor alarm, the Gateway - V can activate a third-party PTZ allowing it to "slew to cue" providing live imagery of the area of interest. By connecting an external modem to the Gateway - V, streaming video can be transmitted over a 3G/4G network, via satellite communication or other backbone IP radio networks.

In a network denied situation or during a covert operation, videos can be locally stored and retrieved later.

Technical specifications

Size	115mm x 120mm x 170mm
Weight	2.5kg
Battery	No internal battery, needs an external power source; External rechargeable battery, Battery powered by fuel cell or fixed power.
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	Long-range radio
Radio frequency	Other frequency upon request	315-350 MHz, 868-870 MHz, 906-925 MHz	230-270 MHz, 245-280 MHz, 437.5-453.5 MHz
Radio output power		500mW	2W or 10W
Antenna type	Vehicle and fixed antennas upon request	Half-wave and quarter-wave whip antenna	Half-wave and quarter-wave sling or tripod antenna
Cable connection	Ethernet, Serial, USB. IP interface to connected devices		

Capabilities

- Connection of two units at the same time (camera and radar)
- IP 3G/4G/LAN/Satcom backhaul communication
- Data storage and recording capability
- Multiple power source (battery, fuel cell, solar panel, or fixed power)
- Rapid deployment