SYSTEM
INTERLACE
COMPANY

syscoUAV24
IP MESH MODULE

MODULAR AND COMPACT

A flexible and portable radio which is carefully designed, convenient to use with an aluminum frame. The modular radio block design allows for flexible and quick frequency band changes

POOWERFULL CONNECTION

High IP throughput, over 80Mbps (point-to-point), allows for the establishment of IP backbones, enabling high-speed video/data transmission.

FLEXIBLE AND AGILE NETWORK

Expand the network quickly and flexibly by simply adding additional radios as needed.

IP MESH Module syscoUAV24 forming mobile ad-hoc network (MANET) is an IP Mesh network used in mobile tactical environments.

Rapid network deployment, providing instant service.

Allows communication within line of sight (LoS) and near line of sight (NLoS).

Provides IP-based information network for Command and Control (C2) used for:

- Real-time video monitoring
- Real-time voice monitoring
- Real-time data network connection

Central software (C2) enables the display of online radio locations on the map, facilitates voice communication, and supports video monitoring from the field.

SPECIFICATIONS

MIMO	2x2
Network size	≥64 nodes
Single hop delay	≤3ms
Service	Video, Voice, Data
Max. IP data rate	80Mbps
Operating distance	Est. 20km (air to ground, LoS)
Frequency band	L-band 1350 - 1390MHz (Other bands: customization)
Bandwidth	5MHz, 10MHz, 20MHz selectable
Rx sensitivity	-93dBm at 10MHz BW
Tx power	1W/port x 2 ports
Power consumption	Max. 16W, avg. 7W
Battery voltage	9 – 28V
Interface	Ethernet, RS422
RF port	2 x SMA
Dimension	110mm×58mm×16mm
Weight	152g (excluding accessories)
Operating temperature	-40℃ to +55℃

(specifications may changes without prior notice)