

RapidNet

Surveillance and
Communications
Control Station

- Wireless Video System
- Supports Multiple Cameras
- Multiple Wireless Networks
- Supports Pan/Tilt/Zoom
- IP Based
- COFDM, PodNode, WiFi



The RapidNet is a fully integrated wireless MESH video communication system. Based on the PodNode MESH networking node, each additional wireless network device strengthens the network, resulting in an increasingly robust and self configuring/healing network.

The long range PodNode MESH networking COFDM node enables multiple wireless cameras to be linked to any other PodNode. Additional modules may also be integrated into the RapidNet, such as push to talk, diversity COFDM video receivers, WiFi, GPS and 3G. The RapidNet system and components are rapidly deployable, delivering a robust, secure and private wireless network.

The RapidNet control system incorporates a PC, powered with Rinicare's open architecture software allowing for the support of third party video encoders and other sensors.

Rinicare's innovative software is bespoke and may easily be configured to allow for expansion or supplementary operational requirements. The case and hardware are robust and ruggedised and ideally suited to harsh environments.

Typical scenarios include first responders, monitoring crowds or riots, in C2 vehicle-based surveillance operations and remote site monitoring.

RapidNet

Datasheet



Base Unit

Screen	LCD 12.1" touch screen
Keyboard	Full, robust
PC	Integrated PC

Physical

Enclosure	Robust Pelican Case
Dimensions	50cm x 20cm x 40cm
Weight	Configuration dependent
Temperature	-10°C to +45°C

Electrical

External power	220/240 VAC, 12 VDC
Internal battery	LiON, to 20 hours operation
Power consumption	From 20W

Connectors

RF connectors	N-Type, female
Ethernet	RJ-45
Serial	RS-232
Video	AV
Audio in	3.5mm
Audio out	3.5mm, loudspeaker

IP Interface

Ethernet electrical	100BaseT Ethernet
Encryption	168bit, 3DES
Standards compliance	IEEE 802.3u, 802.1

Optional Integrated Modules

PodNode	COFDM MESH IP Node
WiFi	802.11n basestation
R1000 Rx	COFDM P2P video receiver
R1000 Tx	COFDM P2P video transmitter
P2T	Push to talk over IP unit
GPS	GPS receiver
DVR	16 channel digital video recorder
PTZ Control	PTZ joystick

Software

Simultaneous video	Up to 16
GPS tracking	Integrated, with map overlay
MESH configuration	Integrated
MESH NMS	Integrated
Video recording/playback	Full, continuous, to HDD
Camera control	Resolution, PTZ, frame rate
Link monitoring	Signal degradation monitor/alarm
PodNode configuration	Integrated
Audio	Communication and volume indicator
OS	Windows XP, Vista, 7, 8

Accessories & Compatible Products

Podnode-I (-R, -R-SD, -M)
P2T
External battery
Cables
Antennas
Mobile viewing clients
R1000 Tx
R1000 HHR