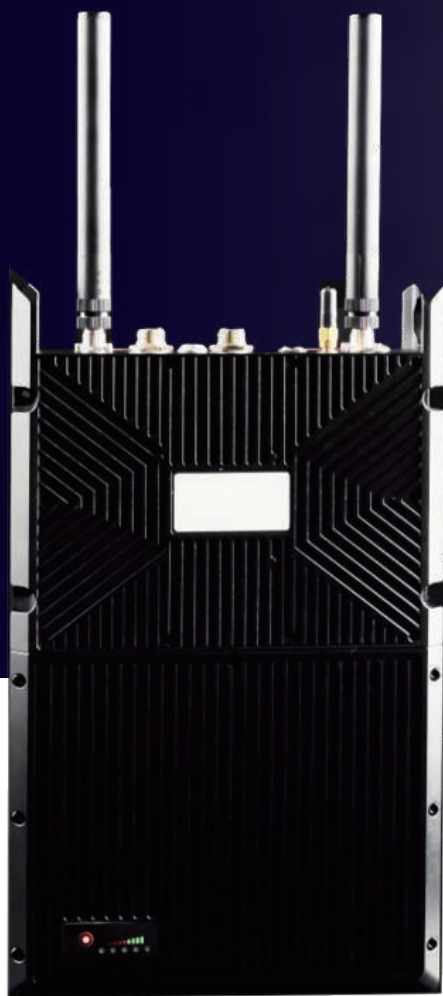




Manpack Broadband Mesh Radio

Broadband Radio adopts new generation technology , can realize radio automatic networking, the network have the feature of long range communication , self-healing , high data rate capacity , large network scale, multiple relay hops.

The system does not rely on the communication infrastructure, can realize fast deployment, easy to be integrated with other IP network equipment or system. Suitable for any emergency situation.

Manpack Broadband Mesh Radio

Technical Data

Network Scale:	Maximum 32 nodes by single frequency
Frequency:	Default 1.4 GHz (1360 MHz, 1388 MHz, 1406 MHz, 1430 MHz). 600 MHz Customization.
Transmission Power:	10 Watt x 2 Channel
Bandwidth Method:	2.5/5/10/20 MHz
Modulation Method:	TD-COFDM + BPSK/QPSK/16WAM/64QAM
Communication Distance:	Upto 70 Km - Air to Air LOS Up to 30 Km - Ground to Ground LOS
Transmission Delay:	Single Hop 7 ms
Startup Time:	10 seconds
Data Interface:	Network Port X1, Build-in wifi hotspot
Video Extension:	HDMI/PAL*/SDI*/CVBS* (*External as required)
Voice Communication:	PTT
Power Supply:	12 - 24 VDC / 2A
Power Consumption:	60 Watt
Working Time:	Up to 6 hours
Working Temperature:	-40 ~ +65 Celcius
Protection:	IP67
Weight:	1.9 Kg (without battery) 5 Kg (with battery)
Dimension:	189x159x62 mm (without battery) 314x189x62 mm (with battery)