

Raven Series MINI MESH



WATERPROOF



CERTIFIED



MARITIME



URBAN



RURAL



WEIGHT

Savronik 2x2 MINI Mesh Radio is a small form factor COFDM based MANET MESH MIMO Transceiver Radio that is MIL-STD 810G compliant, IP-68 rated system specifically developed to meet ever changing Military, Airborne, Marine and Land-based operational needs. It forms an encrypted, seamless, uninterrupted IP based secure communication network between MANET nodes in line-of-sight (LOS) and beyond line-of-sight (BLOS) situations in dynamically changing operation environment.

The unique Multiple Carrier Digital waveform of the 2x2 MIMO transceivers provide a hub-less communication architecture achieving more range than that of equivalent systems in harsh environments such as maritime, urban, rural areas, forest and tunnels.

Each transceiver in the network can function as a relay, unattended and without operator involvement to extend the network range BLOS. The Self-Healing and Self-Forming MANET MIMO Network securely and continuously forms the most direct and efficient routes between radios to create the most robust network. With GPS Receiver interface, it provides excellent coordination.

Raven-MM-4000

SPECIFICATIONS

GENERAL

Waveform	: Multi-carrier 2x2 MIMO
Encryption	: AES-256
Output Power	: 1W-2W Variable
Channel BW	: 3-5-10-15-20-26-40 MHz
Frequency Bands	: 2412-2484 MHz
Throughput	: Up to 80 Mbps

AUDIO

Encoder	: Build-in PCM/G.711 Encoder
PTT Channels	: 64

ENVIRONMENTAL

Immersion	: IP-68 10 mt Submersible Per TS EN 60529
Operating Temperature	: -30°C, +55°C Per MIL-STD-810G Method 501.5 & 502.5 Procedure II
Mechanical Shock	: Operational 40g Per MIL-STD-810G Method 516.6 Procedure I
Conducted Emissions/ Susceptibility	: CE102, CS101, CS114, CS115, CS116
Radiated Emissions/ Susceptibility	: RE102, RS101, RS103

INTERFACES

RF	: 2 x SMA Male
Audio	: Circular PTT Connector
Data	: 10/100 Mbps Ethernet
GPS	: Circular Connector for Receiver
Control Interface	: GUI

POWER

Voltage	: 8-14V
Consumption	: 12-33W

MECHANICAL

Dimensions	: ~84 x 84 x 36mm
Weight	: ~370gr

About Savronik

Savronik, founded in 1986, has been operating for over a quarter of a century in the Turkish Defence Industry, and is one of the few major players in an industry dominated by quasi-governmental organizations. Starting from early 2000s, we have been employing our defence industry experience also in Intelligent Road Systems, Railway Systems and Integrated Logistics Support.

Savronik produces award winning, high quality products, both unit and integrated solutions, compliant with standards such as ISO 9001:2015, AS9100 rev.D in the fields of electronics, electro-mechanics and software. Our true differentiator however, is our field capabilities which allow Savronik be wherever and whenever our customer needs us. In this respect Savronik is not only a technology company but also a services and maintenance competence center providing full life cycle maintenance and operating services to its customer in the civil and military sector.

Savronik Elektronik Sanayi ve Ticaret A.Ş.

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