

B2R MANET IP Radio

High-speed radio communications
for tactical units



Video, voice,
and data
transmission



Rapid
deployment



It can handle even
extreme climatic
conditions

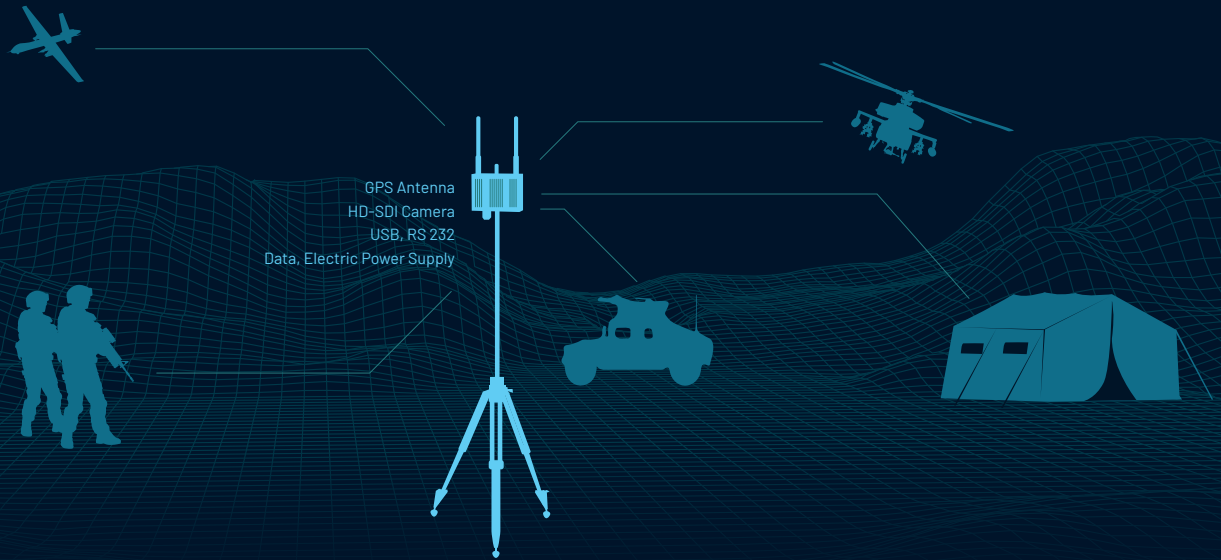
Receive and send data, video, and audio wherever you are.
The 2nd Generation High-Speed Broadband Radio Router (B2R) creates a tactical mobile
infrastructure via MANET with a Wave Relay[®] compatible radio network.

COMTANET[®]

COMTAG[®]

NATO codified

Thanks to its MANET functionality, B2R is ideal for use in rapidly deployable and highly mobile military tactical units. It operates seamlessly even in the harshest climatic or weather conditions. With ever-increasing demands on transmission speeds, B2R is also an ideal IP communications platform for the deployment of C4ISR systems in a tactical environment.



Usage

- high speed transfer of video, data, voice and position
- in rapidly deployable and highly mobile tactical units
 - in extreme weather and climate conditions

Features

- Mobile Ad Hoc Networking (MANET) radio with 3x3 MIMO
- Wave Relay® compatible (optional integration of other radio technology)
- frequency range: 1.35 GHz – 1.39 GHz (L-Band) or 2.2 GHz – 2.5 GHz (S-Band)
- RF modulation: OFDM
- built-in GPS receiver with support of CoT
- built-in video streamer with an option to connect an analog camera
- CTR-AES-256, HMAC SHA-256 hardware encryption
- advanced IP multicast algorithm
- remote management and configuration of the radio via WEB
- bit rate: up to 150 Mbps (20 MHz channel bandwidth)
- passive cooling
- dimensions: 218 x 215 x 70 (d x w x h mm)
- weight: 2.9 kg
- el. power supply: PoE ultra (IEEE 802.3 at)