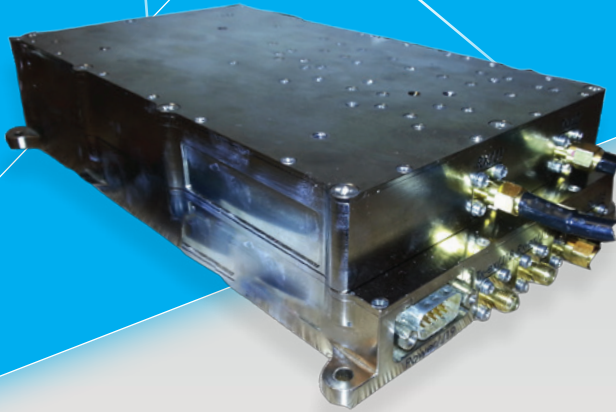


UVR

UHF/VHF
Radio



MALE &
HALE UAS



GROUND
APPLICATIONS



TACTICAL
UAS



USV

Analog and Digital Datalink Solution for Voice and Data

The UHF/VHF Radio (UVR) is an advanced analog/digital data link system that has been specifically designed for manned and unmanned platforms to handle both audio and data transmission. The UVR's open architecture enables transmitting audio and Ethernet signals. The UVR is an affordable system that is modular, light-weight, reliable, and relatively small. It combines the commercially proven technologies and standards with advanced algorithms, to provide high excellent reliability and high performance. The UVR systems family is a range of radio-communications equipment and systems designed for military environment, but not limited to military applications. UVR development was based on the experience and know-how gained by Comm tact over many years of activity in the field of airborne radio communications. The UVR systems family has been developed to provide the wide range of functional options, in order to meet diversified operational requirements. This solution consists of a multi-band, multi-mode transceiver, providing aircraft with clear/secure voice/data communications facilities over an extended frequency range.



ATC
Compatibility



TRANSEC/COMSEC
Capabilities



Extended Frequency
Band:30~512MHz



Ground
Network
Capabilities



Tactical
Communication
Compatibility



Full Duplex
(UPL & DNL)

CONNECTING: **ANY** PLATFORM, **ANYTIME**, **ANYWHERE**.



www.commtact.co.il



972.8.9433602



info@comm tact.co.il



972.8.9433603

! Advantages

- Long range
- Optimized bandwidths for variable data rates
- ROIP (Radio Over IP) supported
- Remote frequency change capability
- Half / Full duplex (UPL&DNL)
- High reliability and low life cycle cost
- Preset channel and guard frequencies (Optional)

x Interfaces

- RS-422, RS-232
- Ethernet 10/100 Base-T for IP-based data source
- Audio In/Out
- Discrete I/O

System Parameters

Parameter	Value/Description
Frequency Band	30-512MHz
Frequency Resolution	8.33KHz (ATC:118-137MHz) / 12.5KHz / 25KHz
Modulation Type	FM, FSK, GMSK AM (Optional)
Forward Error Correction	Convolution & Reed Solomon
Modes of Operation	FM Analog Voice, Low Rate FSK
TRANSEC	Supported
COMSEC	AES: 256 bit
Environmental Conditions	MIL-STD-810F / MIL-STD-461E

System Parameters

Parameter	ADT	GDT
		
Weight	~1.9Kg	8Kg
Dimensions	261x155x49mm	420x314x119mm
Power Consumption	150W (Nominal)	150W (Nominal)
Power Supply	18-36V	18-36V
Max. Transmission Power	20W	20W