



 **Tactical Communications** > Radiocommunications

# V/UHF SDR VEHICULAR TGOR<sub>BT</sub>-V

*V / UHF multiband vehicular radio that simultaneously provides voice, video, data, IP services and Friend Force Tracking.*

## Main advantages:

V/UHF multiband  
Software Defined  
Radio (SDR)

Cognitive Radio and  
Dynamic Spectrum  
Assign

Up to 3 RF Heads

MANET networks  
with up to 1000  
nodes

WideBand MANET  
Waveforms (WBWF)  
and NarrowBand  
MANET Waveforms  
(NBWF)

COMSEC module  
compatible with National  
and NATO crypto  
algorithms

## Technical features:

- Library of up to 50 Waveforms.
- NATO / Coalition and National waveforms, as well as WB and NB type:
  - Ground Narrow Band Waveform: GNB WF in VHF and UHF band
  - Ground Wide Band Waveform: GWB WF in UHF NATO band
  - Legacy Waveforms:
    - STANAG 4204 VHF-FM
    - STANAG 4205 UHF-AM / FM
  - Next available waveforms:
    - SATURN (STANAG 4372 Ed.4), NATO NBWF EPM (STANAG 5630 Ed.2) and NATO HDRWF (STANAG 5651 based on ESSOR HDR WF).
- Electronic Protection Measures (EPM / ECCM) include TRANSEC through fast frequency hopping.
- High resilience in Electronic Warfare environments (Low Probability of Interception, Low Probability of Detection, Low Probability of Exploitation and Anti-Jamming) thanks to robust TRANSEC and COMSEC mechanisms, as well as their Cognitive Radio capabilities, Dynamic Spectrum and Multi-Channel Reception.



## Technical specifications:

PARAMETER	DESCRIPTION
Frequency coverage	30-512 MHz with optional extension to L-band and S-band
Cosite protection	Embedded cosite filter
Channelizations	WB WF: 1,25 MHz . Coming soon: 2,5 MHz / 5 MHz NB WF: 25 KHz. Coming soon: 50 KHz / 250 KHz Legacy Waveforms: 8.33 KHz and 25 KHz
Capacity	Transmission: Up to 10 Mbps Reception: Up to 100 Mbps
Interfaces	Gigabit Ethernet, USB, RS-232, RS-422
Dimensions (H x W x D)	212 x 330 x 420 mm
Weight	15 Kg
Qualifications	MIL-STD-810F MIL-STD-461F MIL-STD-1275D/E



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