



Passive reconnaissance system designed for detection, survey and identification of radar signals

Key Features:

- Mobile ELINT surveillance and reconnaissance system
- Combined amplitude and phase interferometric method for signal direction finding
- Wideband RWR and omnidirectional DF receiver
- Automatic identification of radars including LPI targets
- Data recording for detailed post mission analysis

Main ELINT DF Receiver:

- Frequency range 1–18 GHz and 32–38.5 GHz,
- Bandwidth up to 200 MHz
- Rotation 360° with instantaneous sector 90° and direction accuracy up to 1°
- Sensitivity min -75 dBm (all bands)
- PW min 100 ns / PRI min 1.5 μ s
- Automatic analysis of all types of radar and navigation signals



Military Research Institute, s. e.

Veslařská 230, 637 00 Brno, Czech Republic
phone: +420 543 562 107
e-mail: vvu@vvubrno.cz www.vvubrno.cz





General:

- Vehicle LAV IVECO M65E 19WM 4X4
- Three independent operator workplaces + driver
- Integrated diesel generator
- Operational temperature range -20 °C to 55 °C

Operational variants:

- Mobile – All receivers mounted on the vehicle
- Partially extended - Main receiver on external mast connected to the vehicle using optical cable
- Stationary – Main receiver, Radio, ADS-B and AIS without vehicle

Omnidirectional DF RWR and surveillance receiver

- Frequency range 1–18 GHz
- Wideband RWR subsystem with full instantaneous bandwidth
- Narrowband surveillance subsystem with 100 MHz bandwidth

Radio Receiver:

- Frequency range 100–500 MHz
- Scan speed 100 GHz/s
- Audio, Presets, Scanning, Recording

Additional Receivers:

- S-Mode/ADSB-B, AIS
- GPS/GLONASS/GALILEO



Military Research Institute, s. e.

Veslařská 230, 637 00 Brno, Czech Republic
phone: +420 543 562 107
e-mail: vvu@vvubrno.cz www.vvubrno.cz

