



## GENERAL DESCRIPTION

This system with extremely high scan speed is designed by making use of the latest technology in the field of military communications. This system can intercept and find the direction of frequency/time hopping, burst and fixed frequency signals in the wide frequency range from 30MHz to 3000MHz. This system uses correlative interferometry algorithm. The antennas are designed for in stationary and semi-mobile applications. Using of large aperture antennas with nine elements, the system can reach highly accurate bearings. For better accuracy the DF consists of three antenna sets, which are arranged for three sub-band frequency. One set of nine elements antenna covers 30-200MHz frequency band, set of nine elements antenna covers 30-1300MHz and another set of eight elements antenna covers 1300-3000MHz frequency band. Overall system is protected against lightning that prevents it from natural malfunctions.

## FEATURES

- High-speed direction finding using correlative interferometer algorithm
- Simultaneous direction finding of wide-band (FH/Burst) and narrow-band signals
- Excellent resistance against powerful signals
- Appropriate diversity of antennas to cover frequency band
- Enhanced DF accuracy and sensitivity by using wide aperture DF antennas
- Extremely high frequency resolution
- Direction finding of all narrow-band digital and analog modulated signals
- Simultaneous direction finding of three frequency-hopping signals with 2500hops/S in 20MHz bandwidth
- Networking capability for position finding
- Direction finding of the burst signals with the time duration more than 400µsec.
- Equipped with GPS receiver for time synchronization
- Automatically correct the error difference angle with respect to magnetic north by compass
- Demodulation of the AM and FM signals.
- Self-test ability with the error and its fault status determination
- User-Friendly GUI
- Appropriate weight and dimensions
- Tactical and stationary application
- Scale indicating
- Able to arrange any DF system on the map
- Possibility to add or delete layers on the map
- Capability to show a map in vector or raster shape in infinitive multi-layer
- Printing ability

