



TCHERNO MORE Co

HP-200M is a midrange surveillance, coherent Pulse Doppler ground radar for automatic detection of moving ground targets at a range of more than 15km.

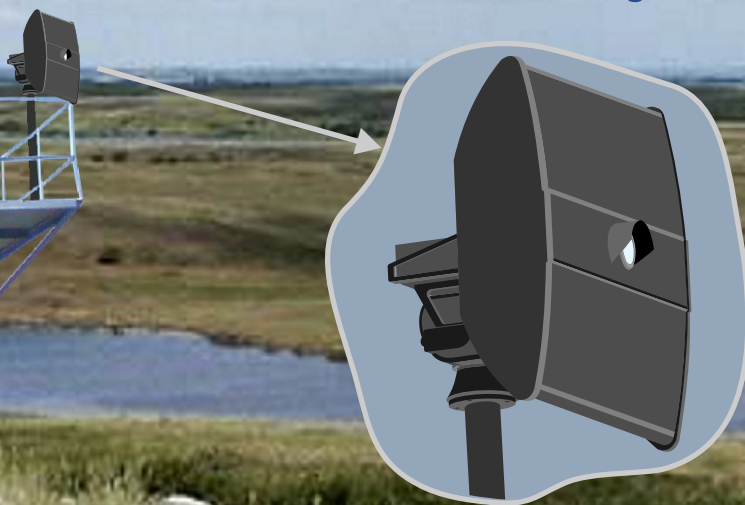
This radar is designed to:

- ◆ automatically detect moving ground targets
 - ◆ determine the coordinates and parameters of the motion of the target
 - ◆ operate in various ambient conditions
 - ◆ protect sensitive and important sites (nuclear power stations, airports, warehouses), state borders, pipelines etc.

The built-in GPS can be used to precisely determine self-location.

This radar can be integrated with other systems.

It can send the coordinates of the detected targets to Electro-Optical systems.



FEATURES

- ◆ Detection range: 20km
- ◆ Automatic detection of targets
- ◆ Automatic tracking
- ◆ User friendly operation
- ◆ Classification of target
- ◆ Camera for easier orientation and better target classification and identification

APPLICATION

- ◆ Ground surveillance
- ◆ Borders guard
- ◆ Guard of important sites



GROUND RADAR

HP-200M

TECHNICAL SPECIFICATIONS

MAXIMUM DETECTION RANGE for ground targets under direct radar visibility:

- ◆ a single person walking in full height at radial speed 2km/h ≥ 10000m
- ◆ moving group of people ≥ 12000m
- ◆ a light vehicle driving at radial speed from 2 to 80km/h ≥ 15000m
- ◆ a heavy vehicle driving at radial speed from 2 to 80km/h ≥ 18000m

Maximum detection range may be somewhat reduced under wind speed greater than 10m/s, precipitation of more than 4mm/h and/or presence of fog.

PERFORMANCE CHARACTERISTICS

- ◆ Detection RangeAccuracy 20m
- ◆ Resolution
 - Range Resolution better than 20m
 - Azimuth Resolution better than 3°
- ◆ Minimum range to determine Coordinates < 25m
- ◆ Azimuth Scanning Sector n x 360°
- ◆ Vertical Scanning Sector from -25° to +25°
- ◆ Alarm Audio, visual
- ◆ Operation with and storage of Electronic Maps
- ◆ Controls Keyboard

RADAR UNIT

- ◆ Power supply 24V DC
- ◆ Average Antenna Power > 1W
- ◆ Operating frequency I/J band

OPERATOR UNIT

- ◆ Rugged PC MIL-STD 810G
- ◆ Display type XGA Sunlight viewable display
- ◆ Resolution 1024x768 pixels
- ◆ Size 13.3"

AMBIENT CONDITIONS

- ◆ Temperature MIL-STD-810F
 - Radar Unit from minus 30°C to + 55°C
 - Operator Unit from minus 20°C to + 55°C
- ◆ Humidity, vibrations, shocks, dust, drop and other - under MIL-STD-810E

OPTIONS

- ◆ GPS
- ◆ Wireless Remote Operation
- ◆ Networked and Integrated with other systems

TCHERNO MORE Co.

EXECUTIVE DIRECTOR

MARKETING

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