

The 18045X-antenna is ideal for use in shore based traffic monitoring and surveillance systems. This is achieved by using an antenna with narrow beamwidth (0.45°), large antenna gain (34 dBi) and fast rotation speed (max. 40 rpm).

The antenna is built using COTS hardware, making it a very cost-effective solution. Navielektro has currently deployed nearly 100 antennas in Finland, Sweden, Norway, the UK, the Ukraine, Russia and other countries.

Antenna Specifications

Antenna and Transceiver:

- Frequency: 9400 ± 50 Mhz
- Frequency: 8,9 Ghz version is available on request
- Horizontal beam width, -3db: 0,45°
- Vertical beam width, -3db: 20°
- Gain (nominal): 34dBi
- Polarization: Horizontal/Circular
- Side lobes level within -3degrees: < -28dB
- Side lobes level within -10degrees: < -35dB
- Rotational speed: 11-28 rpm
- Antenna length: 18ft
- Antenna weight: 210kg



Dimensions

