



RADAR

Traffic Control System

Model -NS-9243-A

Overview

Radar is used widely in traffic control in order to provide real-time measurement of vehicle speeds. It helps in enforcing speed limits and enhancing road safety.

It uses radar technology to detect and report the speed of vehicles, allowing authorities to take appropriate actions for traffic management and law enforcement.

Features

- Employed for traffic control purposes.
- Detects vehicles within a range of 1-100 meters (3-328 feet).
- Reports speeds exceeding 138 mph.
- Provides speed accuracy within 0.5%.
- Reports vehicle direction (inbound / outbound).
- Easy to install and maintain.

Benefits

- Enhances road safety by enforcing speed limits effectively.
- Provides accurate speed measurement within 0.5% accuracy.
- Alerts authorities to excessive speeding of over 138 mph.
- Does not require frequent maintenance or service.
- Assists in analyzing traffic patterns and managing traffic flow efficiently.
- Facilitates data-driven decision-making for traffic control.

Technical Specifications

Operating Frequency	24.00-24.25GHz
Transmit Power	11 dBm
Transmit Antenna Azimuth	20°
Transmit Antenna Altitude	24°
Power Dissipation	1.7W (typ)
UART Pin Signal Level	3.3V
RS-232 Pin Signal Level	±5V
Supply Voltage	5-24V
Operating Temperature	-40° to +85°C