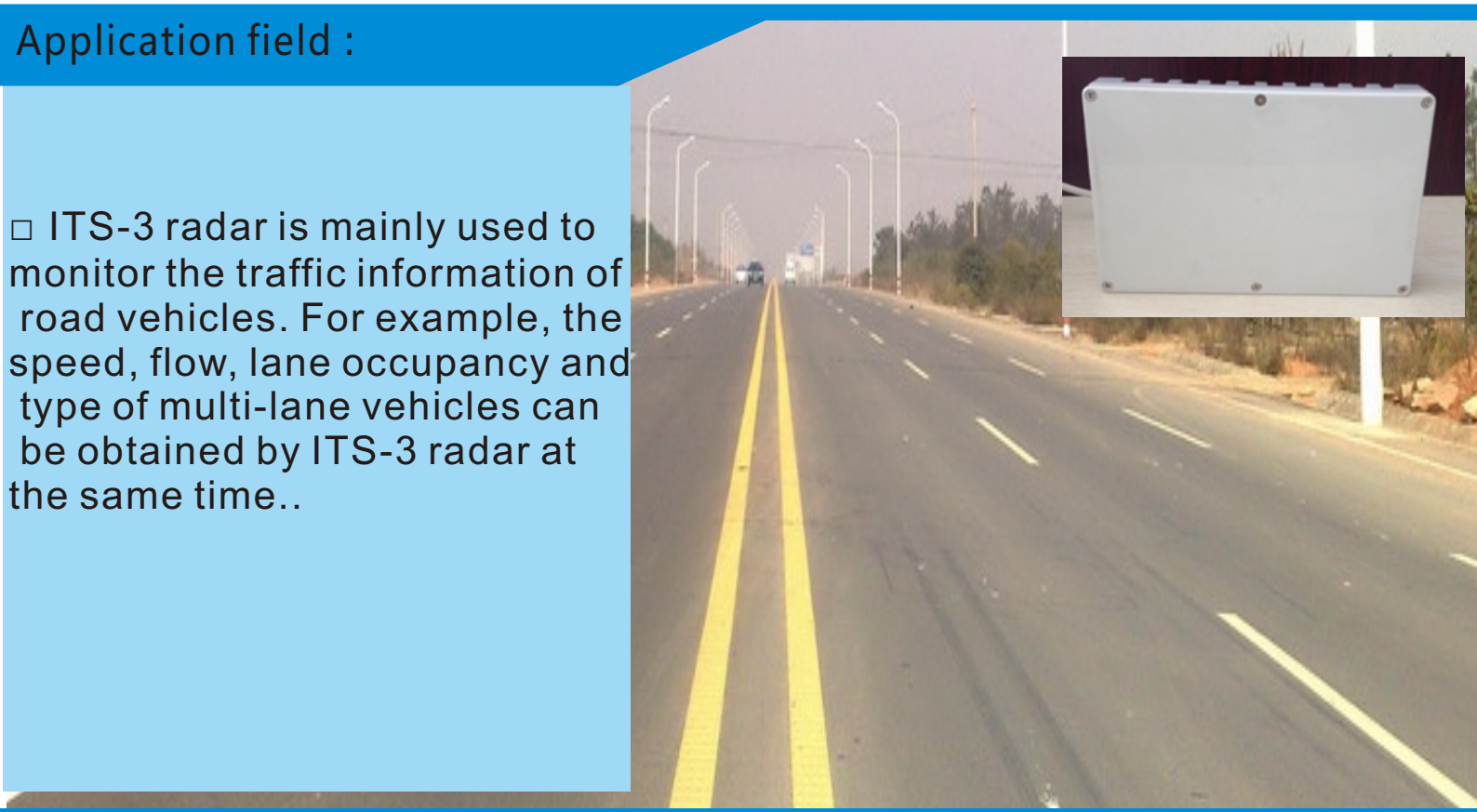
FD-ITS-3 Multi-lane Traffic radar

Features :

ITS-3 multi-lane traffic radar is a microwave vehicle detection system self-developed by our company. ITS-3 multi-lane speed radar can accurately detect the vehicles in the detection area with the advanced microwave radio frequency technology and high speed digital signal processing technology. ITS-3 multi-lane speed radar can be applied to precisely detect speed and distance of road vehicles, and can achieve synchronous monitoring of multi-lane traffic information. ITS-3 multi-lane speed radar system mainly consists of front-end microwave circuit, terminal signal acquisition and data processing subsystem. ITS-3 multi-lane speed radar has the advantages of small volume, light weight, easy to assemble and hide etc. Compared with the current narrow wave flat radar, ITS-3 multi-lane speed radar can provide vehicle speed information in each lane of multi-lane, and it can replace four conventional speed radars at most.

Application field :

□ ITS-3 radar is mainly used to monitor the traffic information of road vehicles. For example, the speed, flow, lane occupancy and type of multi-lane vehicles can be obtained by ITS-3 radar at the same time..



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FD-ITS-3 Multi-lane Traffic radar

TECHNICAL SPECIFICATIONS

Center frequency: 24.15GHz
Frequency width: 150MHz
Microwave transmitting power:
10 MW
Detection range: 3 ~ 100 meters
Range Resolution: : ≤1 meters
Sampling period: 0.1ms
Detection time: 25.6ms/time
Temperature range: -25 to 85 DEG C (industrial grade)
Humidity range: 0-95%RH
Power supply system: AC 220V, AC24V, DC 24V, DC12V
Power consumption: less than 6W
Communication interface: RS-232 serial data interface, the baud rate is 9600bps
Continuous working time : >90000h(ten years)
Mechanical properties: special materials (LEXAN) case, according with NEMA4X and IP66 standard, the fixed bracket, adjustable axial angle
Size: 222mm (W) ×146mm (H) ×40mm (D)
Weight: less than 2kg

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