



UHF RFID Traffic Antenna IDTS-RA12550 (12 dBi, IP65)

Model IDTS-RA12550 · Brand: Identium



A 12 dBi, IP65 long-strip UHF RFID antenna with a narrow 30° horizontal beam for lane-by-lane vehicle reading at gates, parking entries and terminals. Listed for 920–925 MHz and 902–928 MHz.

KEY FEATURES

- 12 ± 0.5 dBi gain for long-range vehicle tag reads
- Narrow 30° horizontal / 70° vertical beam limits cross-lane reads
- IP65 ABS housing for outdoor poles and gantries
- Pole mounting on 100–300 mm diameter poles
- N-type connector at the bottom; 50 W max input
- Listed for 920–925 MHz and 902–928 MHz; confirm band for India

APPLICATIONS

Parking lot lanes

Toll lanes

Container terminals

Construction site vehicles

E-vehicle access control

Smart city vehicle checks

SPECIFICATIONS

Frequency	920–925 MHz / 902–928 MHz
Gain	12 ± 0.5 dBi
Beam width	30° horizontal / 70° vertical
Polarisation	Linear
VSWR	≤1.3 / ≤2.0
Impedance	50 Ω
Max input power	50 W
Lightning protection	DC ground
Connector	N-type (N-50KFD), bottom
Dimensions	550 × 230 × 40 mm
Weight	1.5 kg
Reflector	Aluminium
Radome	ABS, white / off-white
IP rating	IP65
Mounting	Pole mount, Ø100–300 mm
Operating temperature	-40 °C to +55 °C