# RTAS Ground Antenna UHF

**iDTRONIC**
PROFESSIONAL RFID

iDTRONICs unique Antenna System RTAS is a complete high performance ground mat antenna system optimised for applications in race timing and event management. Ready to be developed in a matter of minutes, the Antenna System RTAS offers true portability with fast and easy setup. RTAS give the ability to seamlessly connect up to 7 antennas – with finishing line stripe. There are integrated cable channels to protect and hide away cable. All cables are included, with each mat antenna having 2 m clear cable free for reader connection.

### Applications

• Event and Race Timing

• Conference Attendee / People Tracking

• Industrial Asset Tracking

## Features

- Dimensions: 1220mm x 600mm x 12mm
- Weight: 8.4 kg
- Polarisation: Linear
- Fair-field Gain: 10dBi
- Ultra- low profile
- Just 12mm thick
- Robust – withstands open road traffic
- Operates in all weather conditions
- Colour- coded antenna mats & complete colour- coded cable set (up to 7 antennas)
- Inter-connecting straps to firmly keep antennas aligned and in place



## Order Codes:

| | |
|---|---|
| R-IN-UHF-RTAS-MAT1 | 2,62m cable length |
| R-IN-UHF-RTAS-MAT2 | 3,84m cable length |
| R-IN-UHF-RTAS-MAT3 | 5,06m cable length |
| R-IN-UHF-RTAS-MAT4 | 6,28m cable length |
| R-IN-UHF-RTAS-MAT5 | 7,50m cable length |
| R-IN-UHF-RTAS-MAT6 | 8,72m cable length |

# RTAS Ground Antenna UHF

**iDTRONIC**
PROFESSIONAL RFID

## Technical Data

### Electrical Specifications

| | |
|---|---|
| Frequency Range: | 864- 869 MHz (ETSI) |
| Polarisation: | Linear |
| Far- field Gain: | 10dB |

### Environmental Specifications

| | |
|---|---|
| Dimensions (LxWxD): | 1220mm x 600mm x 12mm |
| Weight: | 8.4 kg |
| Environmental Rating: | IP66 |
| Antenna Enclosure: | Moulded polyurethane housing |
| Operating Temp.: | 0°to +50°C |
| Connector type: | RPTNC (refer to cable length detail below) |
| Cable: | all cables included |



*Integrated cable channels & Inter-connecting straps*



*Colour-coded numbering*



*Integrated cable channels – Cable detail*

*Event and race-proven, the RTAS has been extensively stress and performance-tested in hundreds of events around the world, putting this complete race timing antenna system in a class of its own.*