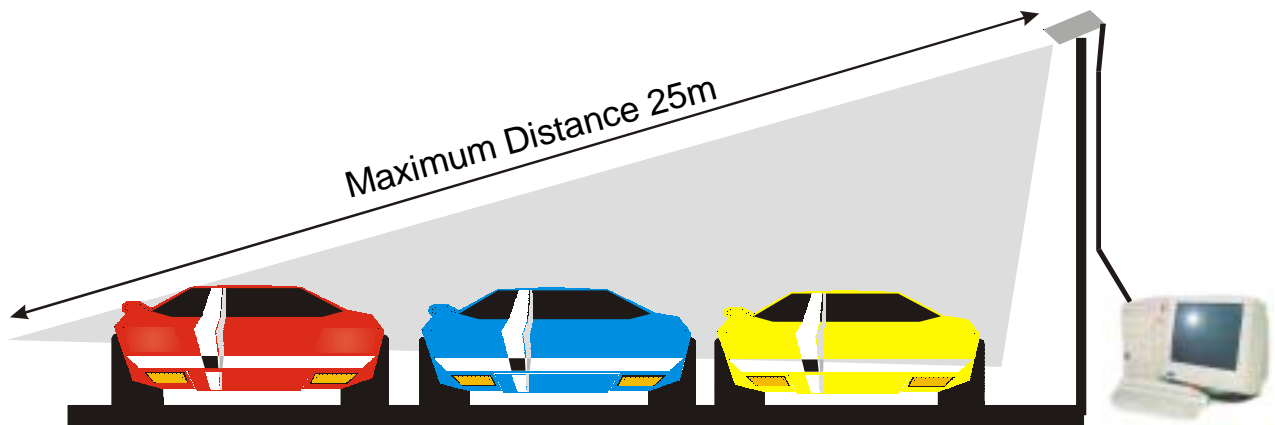


Emtech Access Control Systems' Race Lap Counter/ Timer System



The Emtech Access Control Systems' Race Lap Counter/ Timer System uses the latest in Infrared Transponder and Receiver Technology. The use of Infrared Technology provides a low cost solution while delivering many benefits over higher cost RF technology.

Features:

- Up to 10,000 unique transponders on a single system.
- Easy installation by use of miniature camera style Infrared Receivers.
- Direct interface by RS232 between Infrared Receiver controller and standard Windows PC.
- Windows based software for Lap Counting and reporting.
- Up to 25-meter distance from Infrared Receiver and Vehicle.
- Transponders can be vehicle or battery powered.
- Multiple vehicles can be counted while passing the same point.
- Suitable for any type of motor racing.

Ideal For:

- Cart Racing
- Bike Racing
- Street Car
- Saloon Car Racing
- Non- Motorized Racing

System Description:

The Infrared Receiver unit appears like a small security camera. The Infrared Receiver unit is normally mounted 2 to 3 meters high, overlooking the racetrack. As vehicles

pass within the viewing range of the Infrared Receiver unit and beacon their individual Infrared Transponders with unique ID numbers are detected.

The Windows based PC program records the time (+/- 0.001 second) and the lap count for the vehicle as the vehicle passes the Infrared Receiver. Each vehicle can be given a number and a driver instead of the Infrared Transponder ID Number. The history for each race can be recorded and reviewed at a later date.

Specification:

Infrared Transponders –

- 12 volt Operation (Vehicle or battery supply)
- Infrared ID Transmission
- External Vehicle Mounting

Infrared Receiver Unit –

- Pole mounted Infrared Receiver/ Beacon
- 240volt plug pack operation
- Controller Module interfaces through RS232 to PC.

Windows Based PC Software –

- Lap Counter 0 to 10,000 laps
- Time/date Record (+/-0.001 seconds)
- Export of plain text files.

