



KAVYAN ITS SOLUTIONS PVT LTD
QUALITY REDEFINED

CATALOGUE

www.kavyanelectronics.com

DL01AB1234



VMS
VARIABLE MESSAGE SIGN



SINCE 2019

"TRUSTED ITS & SMART INFRASTRUCTURE
PARTNER"

OUR SERVICES



- 1 ATMS**
Advance Traffic Management System
- 2 TMS**
Toll Management System
- 3 PMS**
Parking Management System
- 4 VIDEO BASED ANALYTICS**
ANPR, VIDS, VIDES
- 5 BTMS**
BoothLess Toll Management System



OUR PRODUCTS

VMS

Variable Message Sign Board



Variable Message Sign aka VMS, used to display the information and message to the driver depending upon the road condition. Roads are jostling because full of innumerable automobiles that expedite to reach their destination as earlier as possible. So VMS is a key element of dynamic traffic solution to easily aware the motorist during driving in an efficient way. VMS is help to improve the driving condition and save lots of time. It is a life saver as road conditions are unpredictable.



Fully Customizable & Programmable



Configurable Scheduler



Parking Information



Multi- Lingual Support



Real Time Updates & Tracking



Connectivity GSM/4G, TCP/IP



Centralized Control & Monitoring



Certifications & Compliances



Ultra Low-Power Consumption



Advertisement & Branding

4D RADAR



Our 4D Radar delivers Real-Time, High Precision detection & tracking of multiple objects in all weather & lighting conditions. With the ability to measure, **Distance, speed, Direction & Class**. It empowers intelligence traffic management & enhanced road safety like never before



Upto 300m
Detection Range



+/-0.2M
Detection Range



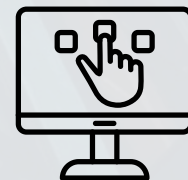
0-250 km/h
Speed Range



Wide Beam
Coverage



All Weather
Reliability



Multiple Interface
Options

ECB

Emergency Calling Box

Instant Help | Anytime | Anywhere

Our Emergency Calling Box (ECB) is a robust & Weatherproof communication device designed to provide immediate assistance to road users in critical situations.



One-Touch Alert

Connects to Control room with single Press



Rapid Response System

Ensures Immediate attention & help during emergencies



Durable & Vandal Resistance

Built with heavy duty material for long & durable life



Integration Ready

Compatible with VMS, CCTV, SCADA & other ITS Systems



IDEAL FOR



Highways
&
Expressways



Tunnels
&
Bridges



Parking
Areas



Industrial
Zones



Remote
Locations

ANPR

Automatic Number Plate Recognition System

Smarter Recognition Safer Roads

Our Automatic Number Plate Recognition System (ANPR) uses Advanced AI & high resolution imaging to capture & recognize vehicle number plates with exceptional accuracy in all lighting and weather conditions.



AI High
Accuracy



Performs
reliably in All
conditions



Real-Time
Alerts



Analytics
&
Reports



Secure &
Reliable

VSDS

Vehicle Speed Detection System

Drive safe | Reach Safe

Our VSDS (Vehicle Speed Detection System) delivers real time information and speed feedback to drivers, Helping improve awareness, ensure compliance & enhance overall road Safety.



High Visibility



Display dynamic messages, alerts & traffic information instantly



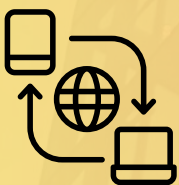
Speed Feedback



Weather Resistant



Solar Powered
24x7 Runtime



Easy Integration



Enhancing Road
Safety



Reducing Speed
Related Risks



Supporting Smart
Infrastructure

PVMS

Portable Variable Message Sign

Smart Messaging | Safer Roads

High Visibility, mobile & reliable VMS Solutions for Dynamic Traffic Management & real-time communication



Solar Panel
Clean energy for sustainable operation

Led Display
High brightness LEDs for clear visibility in all conditions

Towable Chassis
Easy to tow & position anywhere with minimal effort

Stabilizer Legs
Adjustable legs for enhanced safety on any surface

IDEAL FOR



ROAD WORKS



TRAFFIC
MANAGEMENT



PUBLIC SAFETY



EVENTS
&
PARKINGS



EMERGENCY
ALERTS

TUNNEL SIGN BOARDS

GUIDANCE | SAFETY | VISIBILITY

KEY FEATURES



High Visibility

Clean energy for sustainable operation



Rugged & Durable

Build to stand hard tunnel environments, vibration moisture, dust & extreme temperatures.



Clear & Standardized symbols

Compliant with international standards for quick recognition & safe navigation



Energy Efficient

Low power LED technology with long life and minimal maintenance



Easy Installation

Lightweight modular design for quick installation & easy maintenance



Weather & Corrosion Resistant

IP65/66 rated enclosures for reliable performance in damp & corrosive environments



IDEAL FOR TUNNEL APPLICATIONS



Road Tunnels



Railway Tunnels



Emergency Guidance



Fire Safety Signs



SOS & Help Points



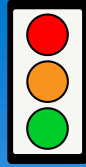
Evacuation Routes

SMART TRAFFIC LIGHTS & OVERHEAD LANE SIGNAL SYSTEM

SMARTER SIGNALS | SAFER JOURNEYS



High Visibility
LED signals



Multiple Signal
Indications



Weather & UV
Resistant



Energy Efficient
Design



Easy Installation
&
Maintenance



TRAFFIC SOLUTIONS
THAT DRIVE PROGRESS

INNOVATIVE TECHNOLOGY
INTELLIGENT MOBILITY



CONTROL TODAY
SAFER TOMORROW

TOLL LANE CONTROLLER

SMART CONTROL. SMOOTHER TRAFFIC
GREATER EFFICIENCY

Toll Lane Controller is the central control unit of the toll boot, design to integrate and manage all lane equipment for seamless and reliable operations.

Key Features



CENTRALIZED LANE CONTROL

Manage all lane devices including barrier, reader, sensors, signals & more.



MULTI-PROTOCOL SUPPORT

Supports diverse communication protocol for easy integration



RUGGED & RELIABLE

Industrial grade enclosure designed for 24/7 operations in harsh environments



REAL-TIME MONITORING

Live status monitoring & event logging for improved efficiency



EASY CONFIGURATION

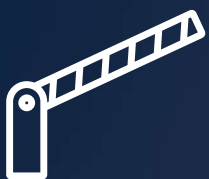
User-friendly interface for quick setup and parameter management



SECURE & SAFE

Role based Access & data protection to ensure secure operations

MANAGE ALL ESSENTIAL DEVICES



BARRIER GATE



RFID TAG
READER



TRAFFIC LIGHT



LOOP
DETECTOR



ANPR
CAMERA



AUDIO
ALERTS



USER FARE DISPLAY

SMART | BRIGHT | CLEAR



HIGH BRIGHTNESS LED
Clear visibility in all lighting conditions



REAL TIME INFORMATION
Displays STOP/GO status, Vehicle Number & Fare amount instantly



DURABLE & RELIABLE
Displays STOP/GO status, Vehicle Number & Fare amount instantly



EASY INTEGRATION
Seamless connectivity with toll Management system

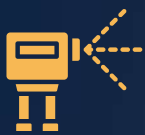


WEATHER & DUST PROOF
IP65 rated enclosure for reliable performance in harsh conditions



AVCC

AUTOMATIC VEHICLE CLASSIFICATION & COUNTER SYSTEM



3D LASER SCANNING

High precision laser beams capture detailed 3D images of vehicles



VEHICLE CLASSIFICATION

AI powered algorithms classify vehicles into car, bus, truck & multi axle categories



REAL TIME COUNTING

Counts and logs every vehicle in real-time with 99% accuracy



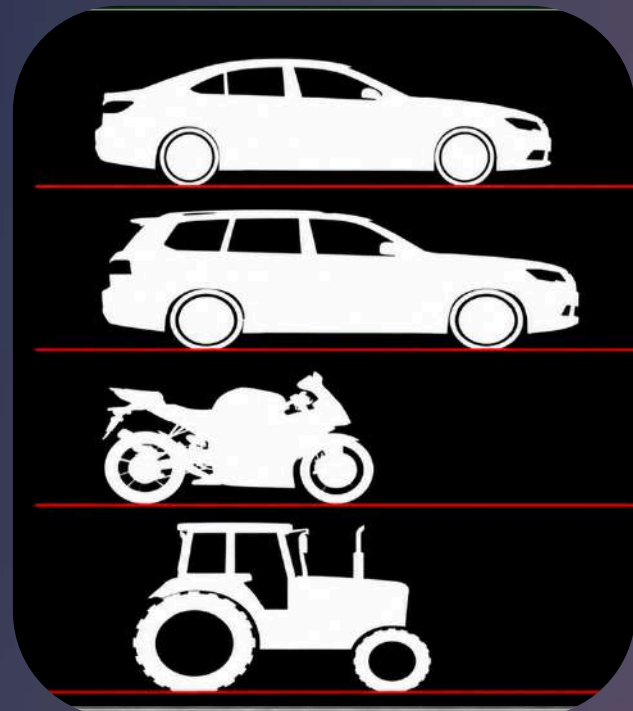
EASY INTEGRATION

Seamless connectivity with toll Management system



WEATHER & DUST PROOF

IP65 rated enclosure for reliable performance in harsh conditions



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