



**PT. EDBOW TEHNIK INDONESIA**

**IOT & AUTOMATION SOLUTION**

**EDBOW TEHNIK INDONESIA**

# Product Catalog





# About us

PT Edbow Teknik Indonesia berdiri pada tanggal 7 Februari 2022, merupakan transformasi dari kerja tim yang terbentuk sejak 2017 sebagai wadah legalitas untuk maju dan berkembang Bersama.

Dengan semangat, tekad dan niat baik ditunjang oleh dedikasi, mentalitas profesionalisme dan inovasi kreativitas, PT Edbow Teknik Indonesia berusaha menjawab tantangan masyarakat akan kebutuhan teknologi dengan kualitas terbaik dan menjangkau seluruh lapisan masyarakat tanpa adanya ketakutan akan perubahan pola hidup oleh gerusan kebutuhan dan persaingan bebas.

## VISI

Menjadi pengembang kreativitas lokal dengan menjaga pelayanan maksimal kepada konsumen.

## MISI

Mencari informasi, merancang, membuat, mengembangkan, menyempurnakan dan memasyarakatkan produk hasil kreasi dalam negeri, serta membangun manajemen yang professional sebagai pendukung pelayanan terhadap konsumen.



# GPS TRACKING SYSTEM AND NETWORKS

Vehicle tracking system with IoT integration and direct reporting to the dashboard.



## FMB130

### Description :

#### Module

Technology : GSM/GPRS/GNSS/BLUETOOTH® LE

**GNSS** : GPS , GLONASS, GALILEO, BEDOU, QZSS, AGPS

#### RECEIVER :

33 TRACKING CHANNELS

99 ACQUISITION CHANNELS

**TRACKING SENSITIVITY** -165 dBm

**POSITION ACCURACY** <2.5 m CEP

**Velocity Accuracy** < 0.1 m/s (within +/- 15% error)

**Hot start** < 1s

**Warm start** < 25 s

**Cold start** < 35 s

**Technology** GSM

**2G bands** Quad-band 850 / 900 / 1800 / 1900 MHz

#### Data transfer

GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B

#### Data support

SMS (text/data)



## FMC130

### Description :

#### Module

LTE(Cat1)/2G(GSM/GPRS)/GNSS/BLUETOOTH® LE

GNSS

**GNSS** : GPS, GLONASS, GALILEO, BEIDOU, QZSS, AGPS

#### Receiver

33 tracking channels

99 acquisition channels

**Tracking sensitivity** -165 dBm

**Position Accuracy** < 2.5 m CEP

**Velocity Accuracy** < 0.1 m/s (within +/- 15% error)

**Hot start** < 1s

**Warm start** < 25 s

**Cold start** < 35 s

**Technology** LTE Cat 1, GSM

#### Data transfer

LTE:LTE FDD: Max 10Mbps (DL)/Max 5Mbps (UL)

LTE TDD: Max 8Mbps (DL)/Max 2Mbps (UL)

GSM:GPRS: Max 85.6Kbps (DL)/Max 85.6Kbps (UL)

**Data support** SMS (text/data)

# GPS TRACKING SYSTEM AND NETWORKS

Vehicle tracking system with IoT integration and direct reporting to the dashboard.



## FMB125

### Description :

#### Technology

GSM/GPRS/GNSS/BLUETOOTH® LE

#### GNSS

GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

#### Receiver

33 tracking channels

99 acquisition channels

**Tracking sensitivity** -165 dBm

**Position Accuracy** < 2.5 m CEP

**Velocity Accuracy** < 0.1 m/s (within +/- 15% error)

**Hot start** < 1 s

**Warm start** < 25 s

**Cold start** < 35 s

#### Technology GSM

2G bands

Quad-band 850 / 900 / 1800 / 1900 MHz

#### Data transfer

GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B

#### Data support

SMS (text/data)



## FMC125

### Description :

#### Technology

LTE CAT1/GSM/GPRS/GNSS/BLUETOOTH® LE

#### GNSS

GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

#### Receiver

33 tracking channels

99 acquisition channels

**Tracking sensitivity** -165 dBm

**Position Accuracy** < 2.5 m CEP

**Velocity Accuracy** < 0.1 m/s (within +/- 15% error)

**Hot start** < 1 s

**Warm start** < 25 s

**Cold start** < 35 s

**Technology** LTE CAT 1, GSM

# GPS TRACKING SYSTEM AND NETWORKS

Vehicle tracking system with IoT integration and direct reporting to the dashboard.



## FMB910

### Description :

#### Technology

**GSM/GPRS/GNSS/BLUETOOTH® LE**

**GNSS** : GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

#### Receiver

33 tracking channels

99 acquisition channels

**Tracking sensitivity** -165 dBm

**Position Accuracy** < 2.5 m CEP

**Velocity Accuracy**

< 0.1 m/s (within +/- 15% error)

**Hot start** < 1 s

**Warm start** < 25 s

**Cold start** < 35 s

#### Technology

GSM

**2G bands** Quad-band 850 / 900 / 1800 / 1900 MHz

#### Data transfer

GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B

#### Data support

SMS (text/data)



## FMC920

### Description :

**Technology** LTE Cat 1/GSM/GPRS/GNSS/BLUETOOTH® LE

**GNSS**: GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

#### Receiver

33 tracking channels

99 acquisition channels

**Tracking sensitivity** -165 dBm

**Position Accuracy** < 2.5 m CEP

**Velocity Accuracy** < 0.1 m/s (within +/- 15% error)

**Hot start** < 1 s

**Warm start** < 25 s

**Cold start** < 35 s

**Technology** LTE Cat 1, GSM

#### Data transfer

LTE: LTE FDD : Max 10Mbps (DL)/Max 5Mbps (UL)

LTE TDD: Max 85.6 Mbps (DL)/Max 85.6 Mbps (UL)

GSM: GPRS: Max 85.6Kbps (DL)/ Max 85.6Kbps (UL)

#### Data support

SMS (TEXT, PDU), Network protocols (TCP, UDP, TLS, MQTT)

# GPS TRACKING SYSTEM AND NETWORKS

Vehicle tracking system with IoT integration and direct reporting to the dashboard.



## FMB920

### Description :

**Technology** : GSM/GPRS/GNSS/BLUETOOTH® LE

**GNSS** : GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS

#### Receiver

33 tracking channels

99 acquisition channels

**Tracking sensitivity** -165 dBm

**Position Accuracy** < 2.5 m CEP

**Velocity Accuracy** < 0.1 m/s (within +/- 15% error)

**Hot start** < 1 s

**Warm start** < 25 s

**Cold start** < 35 s

**Technology** GSM

#### 2G bands

Quad-band 850 / 900 / 1800 / 1900 MHz

#### Data transfer

GPRS Multi-Slot Class 12 (up to 240 kbps), GPRS Mobile Station Class B

#### Data support

SMS (text/data)



## RUT956

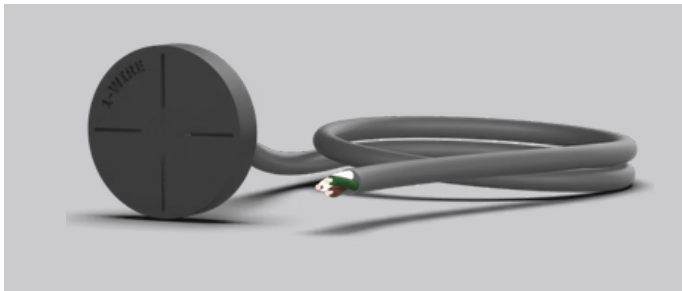
### Description :

The Teltonika RUT956 is a robust and versatile 4G LTE industrial router designed for stable internet connectivity in IoT and M2M applications in industrial environments. This router supports dual SIM, GNSS (GPS), Wi-Fi, and Ethernet ports, and is equipped with flexible RS232, RS485, and digital I/O interfaces. Running on the RutOS operating system, the RUT956 supports features such as VPN, firewall, remote management (FOTA, RMS), and connection failover, making it ideal for industrial automation, vehicle monitoring systems, and reliable and secure long-distance communication.



# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.

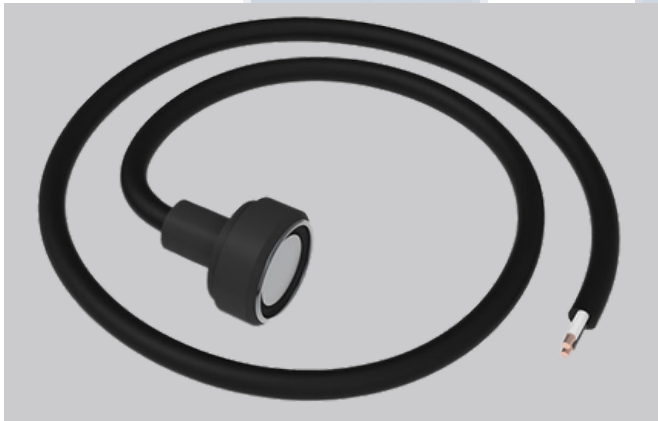


## RFID READER

### Description

1-WIRE RFID reader + accessories for fleet management devices that use 1-Wire technology.

Two types of RFID cards are available, namely 125 kHz and 13.56 MHz.



## IBUTTON READER

### Description

One of the implemented features for fleet management devices is 1-Wire data protocol, which can be used for iButton reading. It is the most straight-forward way to implement driver authorization in your vehicles.



## TEMPERATURE SENSOR

### Description

One of the implemented features for fleet management devices is a 1-Wire data protocol, which enables the connection of temperature sensors. It is a perfect accessory for temperature monitoring.



# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## FUEL LEVEL TD-150

### Description

(3 in 1: analog, digital (RS-485), frequency interfaces)

It is possible to extend sensors using collet connections up to 6000 mm



## FUEL LEVEL TD-BLE

### Description

Sensor is working through BLE protocol, It is possible to extend sensors using collet connections up to 6000 mm



## TILT ANGLE SENSOR

### Description

Wireless tilt angle sensor 'Escort DU-BLE' is designed to measure the angle at which certain parts of the heavy machinery units tilt and thus help you monitor their activity.

Advantages of the wireless sensor 'Escort DU-BLE' compared to the wired ones:

- wireless data transmission via Bluetooth connection under 'Escort BLE Protocol';
- easy and quick to install - no need to worry about cabling;
- easy configuration and tuning via Escort mobile app;
- new work mode - Rotation (horizontal and vertical)



# ACCESORIES

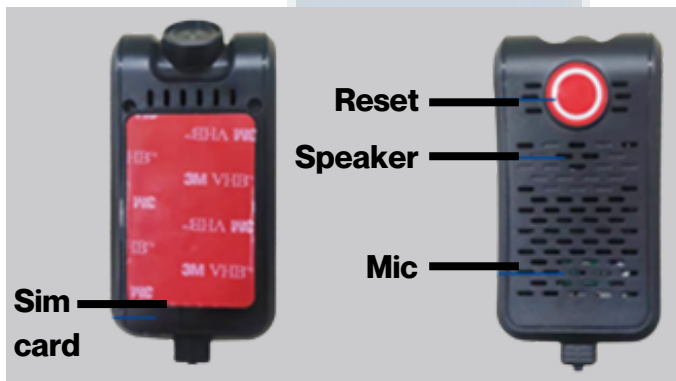
Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## DASHCAM EH13-P

### Description

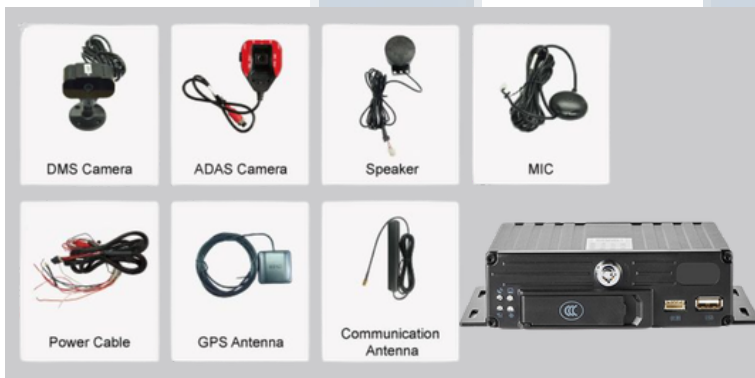
EH13-P is a driving recorder that integrates the vehicle camera into the host computer. It is easy to install and supports dual-channel 1080P real-time HD video recording and 4G CAT.1 full-network HD live playback.



## 4G DASH CAMERA HW-GH11

### Description

- 4G LTE real-time networked dashcam supports real-time satellite positioning and real-time video recording
- .1 Channel CAMERA 1920\*1080.



## ED02R MDVR

### Description

BSJ ED02R is a powerful MDVR solution designed to enhance road safety and improve fleet efficiency. It offers high-definition 4-channel video recording, real-time uploads, and AI-driven safety features such as ADAS, DMS, and BSD. Built for fleets, it prioritizes efficient operations and reliable oversight for real-time monitoring and compliance.

- 4-Channel 1080P Video Recording
- Advanced Driver Assistance Systems
- Driver Monitoring System
- Blind Spot Detection
- 2\*Micro SD Card (512G)

# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## ED08R MDVR

### Description

The ED08R is a powerful MDVR solution designed to enhance road safety and improve fleet efficiency. It offers high-definition 8-channel video recording, real-time uploads, and AI-driven safety features such as ADAS, DMS, and BSD. Built for fleets, it prioritizes efficient operations and reliable oversight for real-time monitoring and compliance.

- 8-Channel 1080P Video Recording
- Advanced Driver Assistance Systems
- Driver Monitoring System
- Blind Spot Detection
- 1\*Micro SD Card(512G) + 1\*Hard Disk( 2TB)



## MC904

### Description

4-CH 1080P SD card MDVR.

- 4-CH Real-Time Recording
- Multiplex input and output
- Built-in ADAS , DMS & BSD
- 2\*512G SD Card
- Built-in WIFI
- H.265/H.264 encode

# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## MC908

### Description

8-CH 1080P MDVR

- 8-CH Camera
- Multiplex input and output
- Built-in WIFI
- Built-in ADAS, DMS & BSD
- 512G SD Card and 4T Hard Drive
- H.265/H.264 encode



## GL002

### Description

1-channel 2K dashcam

- 135 degree ultra wide angle
- Built-in WIFI for Video View on APP
- Support motion detection
- Realible witness for accident
- Support up to 128GB MicroSD card
- Easy to install



## GL003

### Description

160° ultra wide angle 1080P Dashcam

- 160 degree ultra wide angle
- Built-in WIFI for Video View on APP
- Support temp-park motion record
- Realible witness for accident
- Support up to 256GB MicroSD card
- Support video lockup



# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## GL205

### Description

2-channel 2K Dashcam

- 2 channel 2K full HD dashcam
- Built-in WIFI for video view on APP
- Support motion detection
- 1.47 inch IPS screen
- Support up to 128GB MicroSD card



## GL302

### Description

3-channel 2.7K dashcam

- Built-in WIFI for Video View on APP
- Support motion detection
- 3.69 inch IPS screen
- Support up to 128GB MicroSD card



## GL218

### Description

2-channel 2K Dashcam

- 150degree ultra wide angle
- Built-in WIFI for video view on APP
- Support Temp-park motion record
- Realible witness for accident
- Support up to 256GB MicroSD card

# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## MC202N

### Description

4G AI Dashcam

- Built-in\*2CH , no external
- 4G LTE CAT1
- 2\*1080P ADAS+DMS
- WIFI configuration
- WIFI hotspot
- 3-Axis G-sensor
- 1\*512G TF
- 1\* SOS
- Engine cut-off
- Built-in Mic+ Speaker
- 1\*RS232
- Low Power Protection
- Power disconnection alarm



## MC821E

### Description

DMS CAMERA

- 1/4"1M pixel CMOS
- Resolution: 720P/1080P AHD
- Minimum illumination: 0.1 lux
- Electronic shutter (auto), white balance (auto)
- D-WDR, Black And Whit Mode
- Lens: 3.6mm (2.8 & 6.0mm optional)
- HFOV 50°
- 12V power supply
- Dashboard installation
- Built-in MIC

# ACCESORIES

Tracking device accessories in the form of sensors and dashcam solutions for smart fleet management.



## MC820E

### Description

ADAS CAMERA

- Resolution: 1080P AHD
- Minimum illumination: 0.1 lux
- Electronic shutter (auto), white balance (auto)
- D-WDR, day to night switch
- Lens 6.0mm (2.8 & 3.6mm optional)
- HFOV 52°
- 12V power supply
- Windshield installation



## MC807

### Description

Mini Wide Angle Dome Camera

- 1/2.9"2M pixel CMOS
- Resolution: 1080P AHD
- Minimum illumination: 0.1 lux(Color), 0lux(IR on)
- Electronic shutter (auto), white balance (auto)
- D-WDR, IR night vision
- Lens 2.8mm (2.8 & 3.6 & 6.0mm optional)
- HFOV 105°
- Roof installation
- Built-in MIC



## MC813 360° Panoramic View

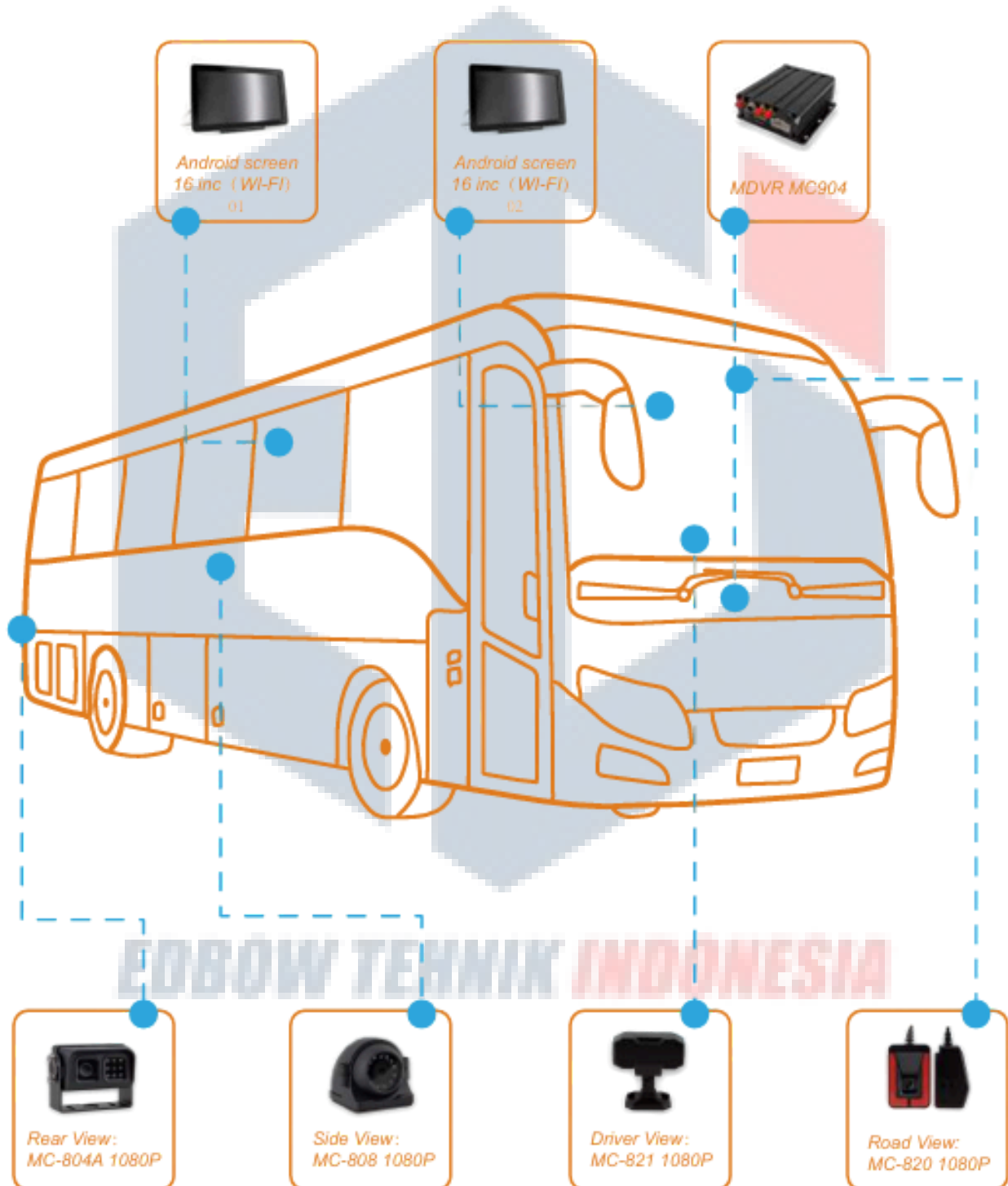
### Description

- Resolution: 1080P AHD
- Minimum illumination: 0.1 LUX
- Electronic shutter (auto), white balance (auto)
- D-WDR, Day to Night Switch
- Lens: 1.6mm
- HFOV 210°
- 12V power supply



# ACCESORIES

Buses solution hardware available AT mettaX





# AI ALGORITHM

ADAS AND DMS



## AI ALGORITHM- ADAS

Advanced Driver-Assistance System

- Forward Collisions
- Pedestrian detection
- Lane-Changing
- Lane Departure
- Close Driving Distance

## AI ALGORITHM- DMS

Driver Monitoring System

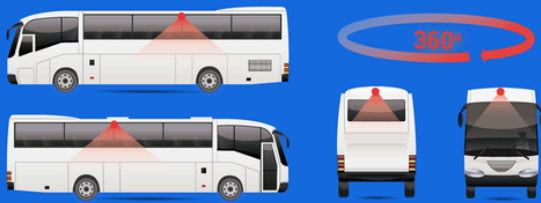
- Camera Cover
- Distraction
- Phone Calls
- Yawning
- Fatigue driving
- Smoking
- Seat-Belt Detection
- FaceID





# AI ALGORITHM

ADAS AND DMS




Powered by AI stitching algorithm, this solution seamlessly merges feeds from four fisheye cameras to provide a 360° real-time panoramic view with minimal distortion.



## 360° Panoramic Stitching Solution

- AI Algorithm ensures seamless image stitching
- Ideal for large vehicles or complex environments
- Real-time 360 surround view
- minimal image distortion



AI-powered detection for real-time passenger in/out statistics. Suitable for buses, taxis, and shuttle vans, with high accuracy even under occlusion or in low-light environments.



## Passenger Counting Solution

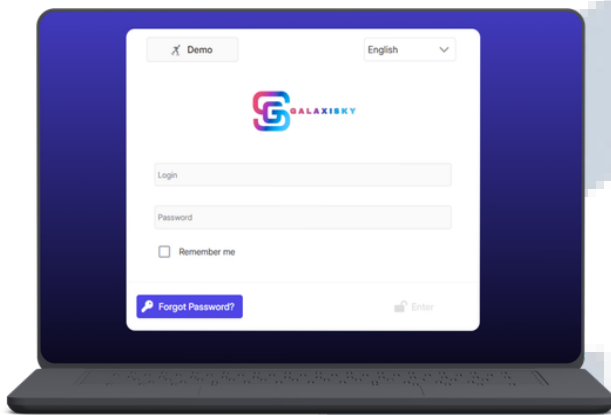
- Depth-Based Background Filtering
- Real-Time in/out passenger counting
- High Accuracy in dense or Low-Light Environments
- Dual-door support with multi-camera setup



# PLATFORM

MANAGEMENT TRACKING MONITORING

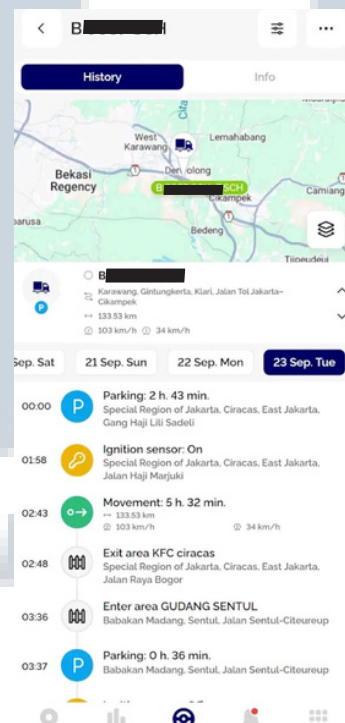
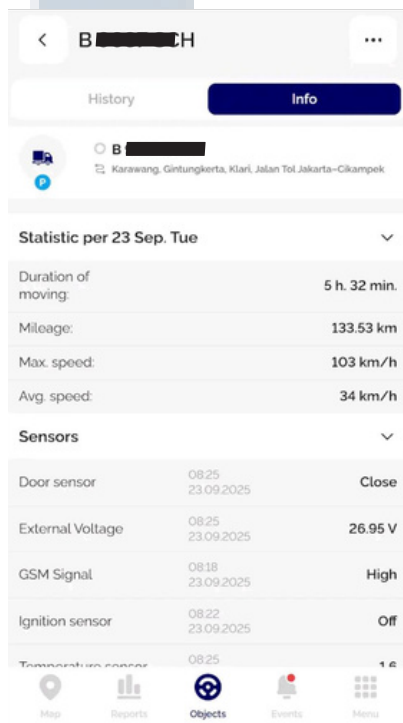
## GALAXISKY



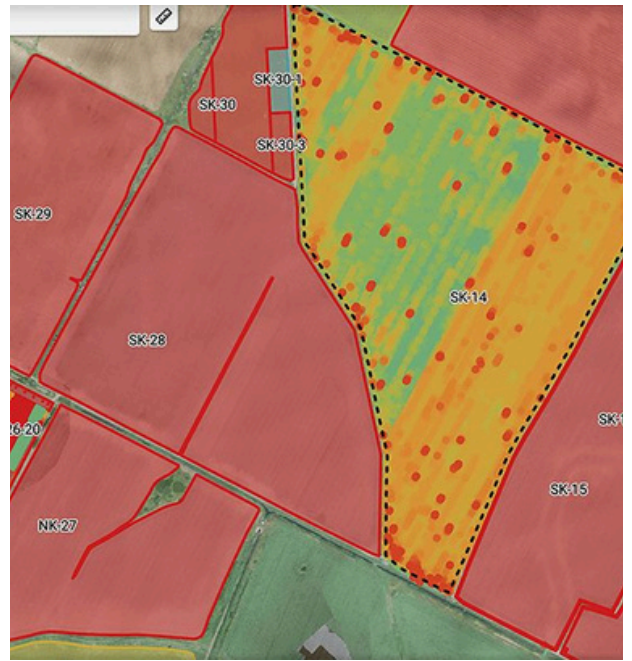
We provide ready-to-use platforms that are easily customizable to fit your business needs. Our services include:

- Platform rebranding aligned with your brand identity
- Platform rental without the need for full development
- Flexible and scalable systems

We help you go digital faster, cost effectively, and professionally.



Available : Google Play App Store



# Contact

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# Office

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# Our Customers

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**ClipanFinance**



**Multindo**  
Mining & Industrial Service



**UNIQUIP**

**GPSKU**

**GM**  
TRACTORS

**WAP**



Centra Rekayasa Enviro

**DUNEX**  
LOGISTICS SOLUTION

*Lavinta Buana Sakti*



**raztel**

AROBS  
**TRACK**  
GPS

**ARLITA PERSADA**  
INDONESIA

**Indosat**  
**ooredoo**