

# Telep ADAS & DMS AI Portfolio



**RAPIDISE**  
QUALITY DELIVERED

A Joint Venture of  
**Napino & Teksun**

Rapidise Telep ADAS redefines road safety and driving experiences in the Automotive Industry through cutting-edge innovation. Our full portfolio of **ready-to-use computer vision AI algorithms**, designed for **hardware agnosticism**, leverages the power of artificial intelligence. Revolutionizing the driving environment, these algorithms excel in observation, analysis, and responsive capabilities, making a significant impact on road safety.

## ADAS FEATURES

- Forward Collision Warning
- Headway Monitoring Warning
- Pedestrian Alert
- Acoustic Vehicle Alert
- Tailgating Warning
- Blind Spot Detection
- Predictive Crash Detection
- Pedestrian Crash Detection
- Lane Departure Detection
- Deer Detection & Alert

## DMS FEATURES

- Driver Vital Signs Monitoring
- SOS Call
- Mobile Distraction Detection
- Driver Seat Belt Detection
- Movement Detection
- Driver Fatigue
- Driver Drowsiness
- Occupancy Detection
- Child/Pet Presence Detection
- Driving Score



Demo Video: [Unmasking the Power of Telep ADAS & DMS Solutions.mp4](#)

Imagine an extra layer of reassurance while driving – that's our Forward Collision Warning system. Fueled by advanced AI, it's like a vigilant co-pilot, scanning for potential collisions. When it spots a threat, it doesn't wait; it promptly alerts you, acting as a proactive companion. This isn't just about tech; it's about enhancing your driving experience with added security and empowerment.

## Forward Collision Warning System detects :

- Cars
- Trucks
- Bus
- Motorbikes

## Key Features :

- Continuous Road Scanning
- Instant Collision Identification
- Proactive Alert Delivery
- User - Friendly Interface



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[Demo Link](#)

Picture having a trusted companion on your road trips – that's Telep ADAS's AI Headway Monitoring. With smart AI algorithms, it prioritizes your safety by maintaining a safe distance from the vehicle in front. Acting like a perceptive co-pilot, it analyzes real-time driving situations and issues prompt warnings if the distance becomes too close. It's like having a conversation with your car, a friendly reminder that your safety is paramount.

### **Headway Monitoring System detects :**

- Cars
- Trucks
- Bus
- Motorbikes

### **Key Features :**

- Continuous Road Scanning
- Real time Car Counting
- Real time Distance Calculation
- User - Friendly Interface



[Demo Link](#)

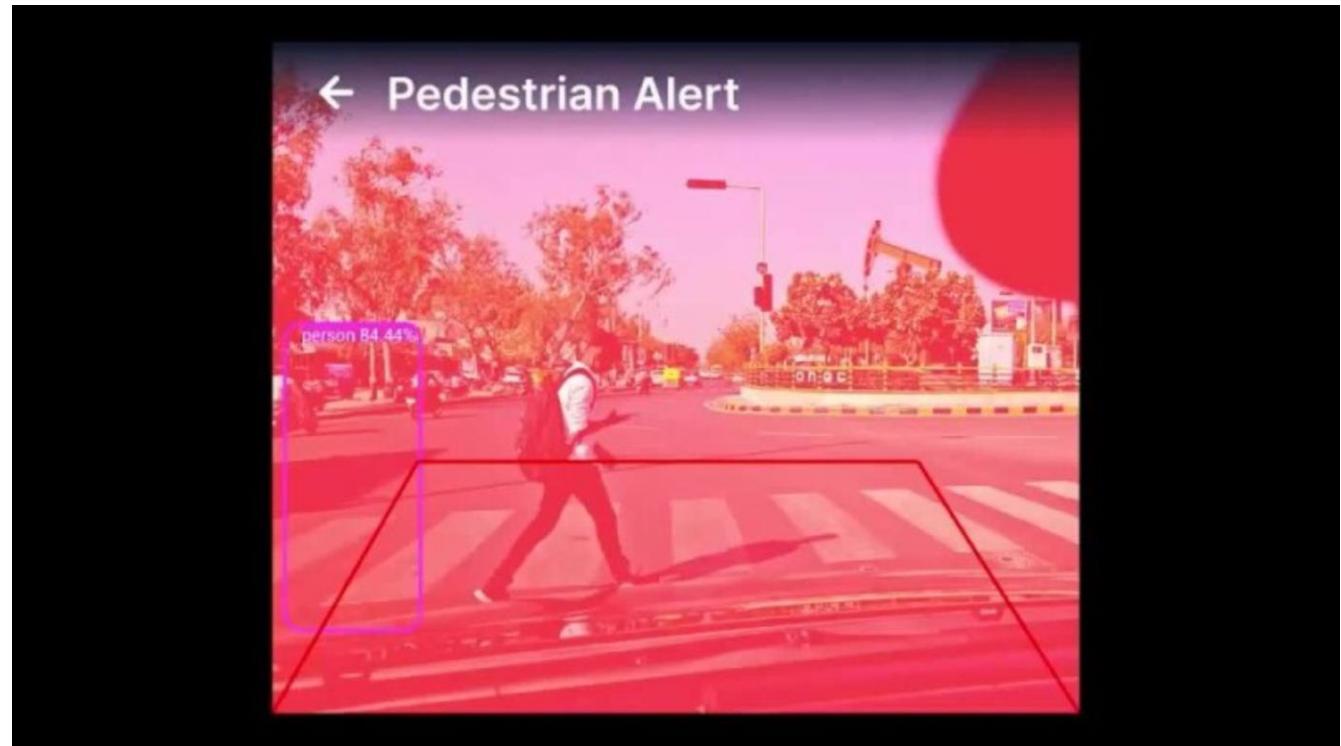
Explore enhanced safety with our upgraded Telep ADAS, featuring Pedestrian Crash Detection. It's your caring companion, using smart algorithms for instant alerts to potential pedestrian collisions. This isn't just tech; it's a commitment to safety, fostering a culture of proactive safety for secure driving.

## Pedestrian Crash Detection System detects :

- Pedestrians

## Key Features :

- Continuous Road Scanning
- Real time Pedestrian Detection
- Real time Alerts
- User - Friendly Interface
- Responsive Technology
- OTA Updates



## Tailgating Warning



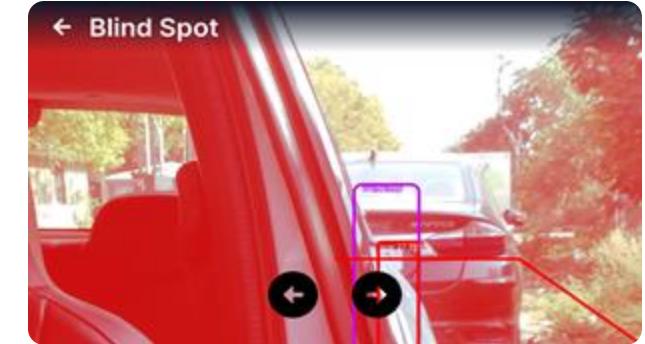
- Enhanced Safety
- AI Tailgating Warning
- Intelligent Driving
- Accuracy - 94%

## Acoustic Vehicle Alert



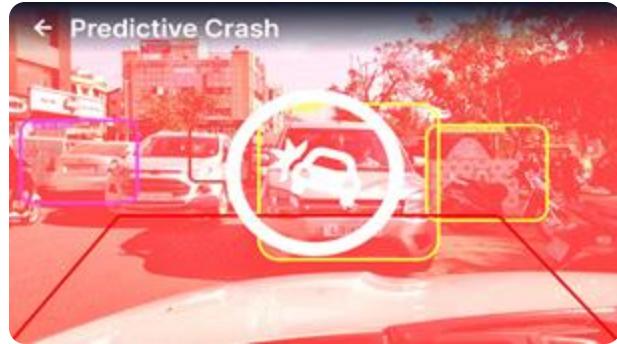
- Proactive Alerting
- Engine Noise Simulation
- Safety Awareness
- Accuracy - 96%

## Blind Spot Detection



- Real time Blind Spot
- Real - Time Alerts
- Collision Reduction
- Accuracy - 93%

## Predictive Crash Detection



- Real Time Prediction
- Early Warnings
- Multiple Detections
- Accuracy - 97%

## Pedestrian Alert



- Real - Time Pedestrian
- Efficient in High Traffic Areas
- Multiple Detections
- Accuracy - 98%

## Lane Departure Detections



- Unintentional Departure Warning
- Deviation Monitoring
- Accuracy - 94%

## Traffic Light Monitoring



- Real time Traffic Light Monitoring
- Early Warnings
- Signal Information
- Accuracy - 95%

## Park Assist Technology



- Movement Detection
- Object Tracking Algorithms
- Situational Awareness
- Accuracy - 97%

## Deer Detection & Warning



- Real Time Deer Detection
- Distance from Deers
- Proactive Alerts
- Accuracy - 91%

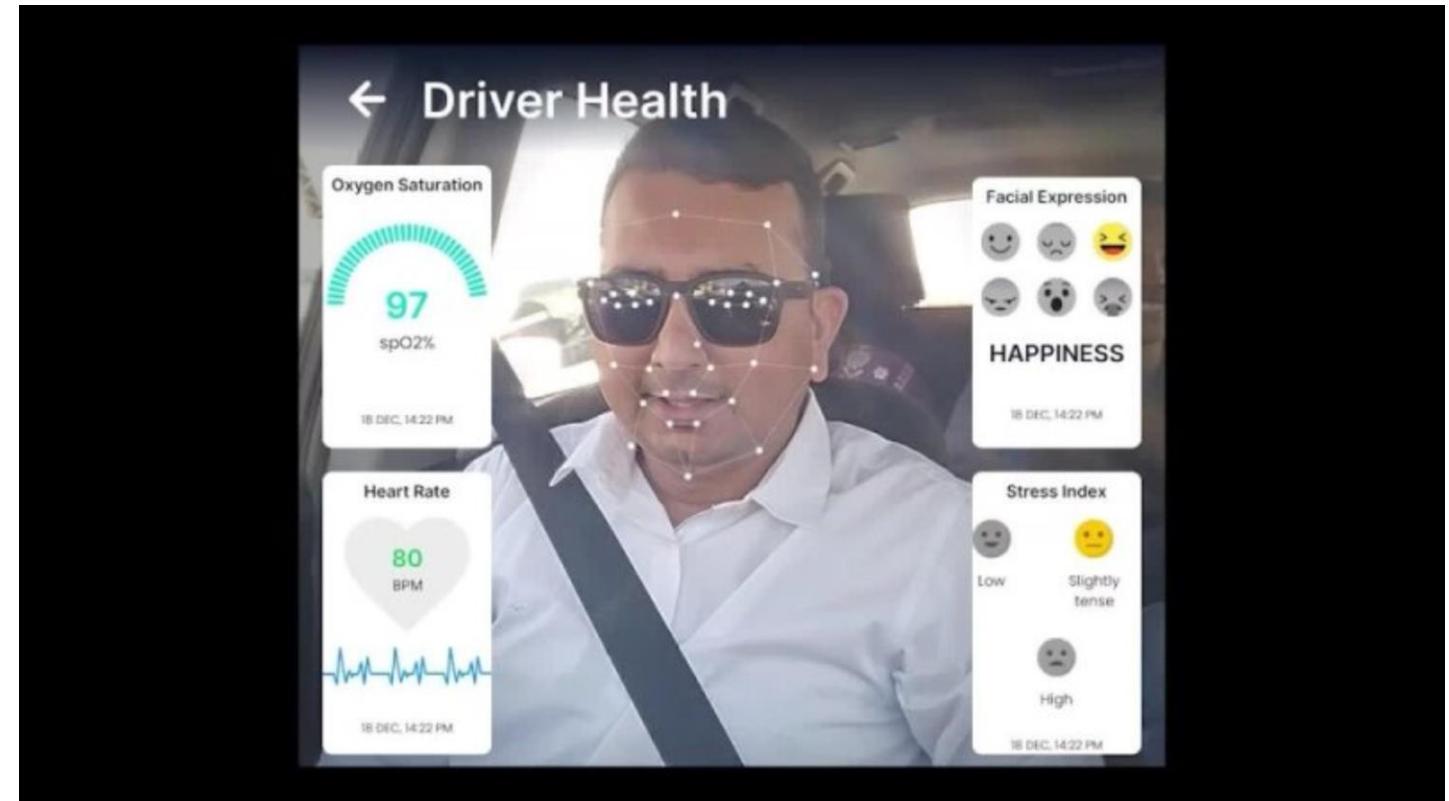
Telep DMS with Driver Health Monitoring acts as your health-conscious companion on the road. In real-time, it monitors vital signs like blood oxygen, heart rate, stress, and facial expressions. Like a caring friend, it ensures your safety and well-being, issuing immediate alerts if anything seems off. This isn't just technology; it's a redefine to prioritize your health and safety with Telep ADAS.

## Driver Health Monitoring System detects :

- Oxygen Saturation
- Heart Rate
- Facial Expression
- Stress Index

## Key Features :

- Real time Driver Monitoring
- Details with Time Stamps
- High Accuracy - Upto 95% and Heart Rate of +5 to -5



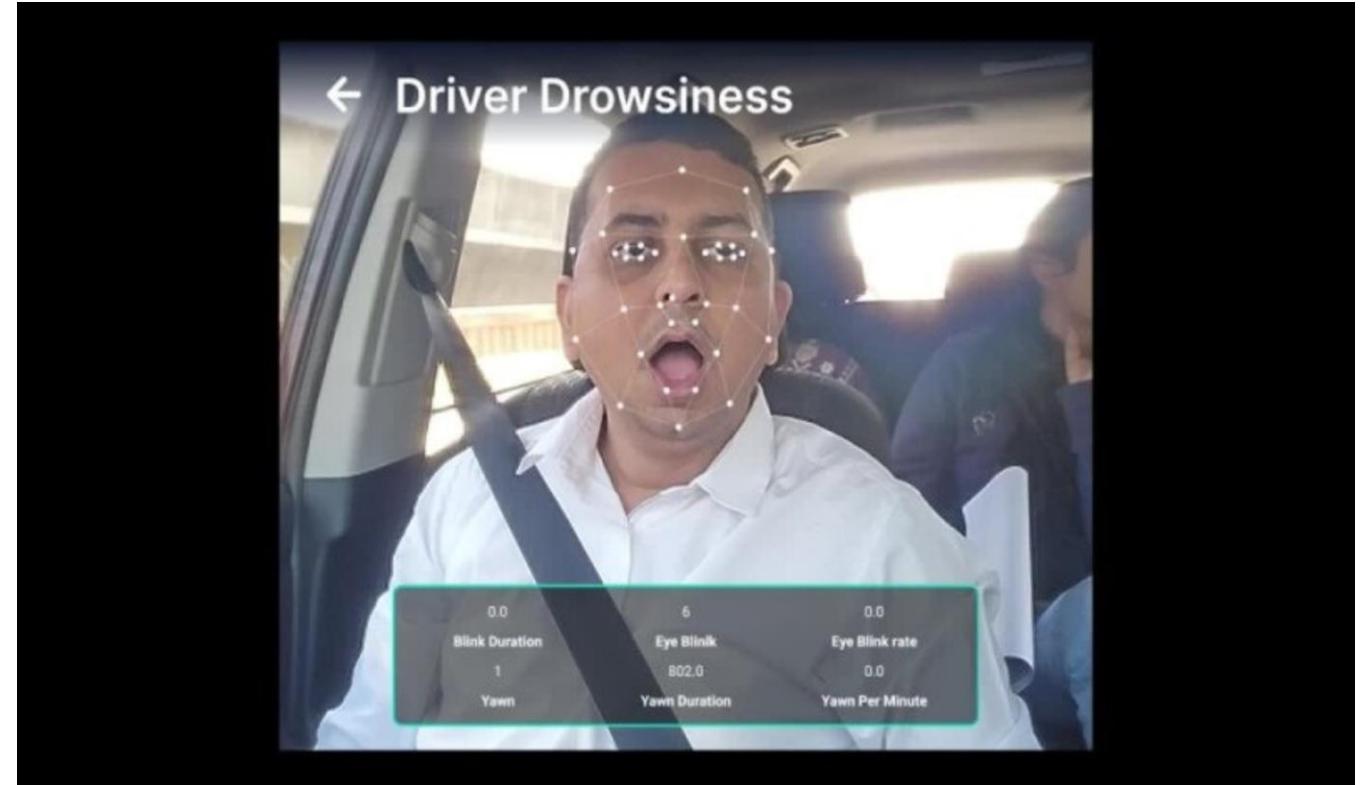
Our DMS with Driver Drowsiness Monitoring takes safety to a new level, analyzing indicators like eye blinks, yawns, and duration. Smart AI recognizes signs of drowsiness, triggering instant alerts. It's a proactive effort to address fatigue risks on the road, prioritizing your safety during journeys with ADAS.

### Driver Health Monitoring System detects :

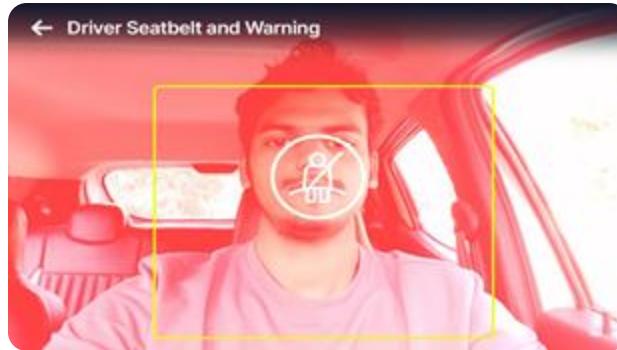
- Blink Duration
- Eye Blink & Eye Blink Rate
- Yawn Detection
- Yawn Duration & Yawn Per Minute

### Key Features :

- Real time Driver Monitoring
- Accurate Monitoring - 93%
- Instant Alerts for Prolonged Yawns and Rapid Eye Blink.



## Driver Seat Belt Detection



- Real time Seat Belt Monitoring
- Fastening Status
- Injury Reduction
- Accuracy - 97%

## Mobile Distraction Detection



- Distraction Analysis
- Behavioural Analysis
- Continuous Monitoring
- Accuracy - 95%

## Movement Detection



- Real - Time Movement Detection
- Braking Warning
- Accuracy - 94%

**RAPIDISE** QUALITY DELIVERED

Dashboard Trip Management

Search

Olivia Marie  
admin

Account Settings

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Welcome back, Olivia!

We're dedicated to enhancing your driving experience and ensuring your safety on the road.

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Your Trusted Gateway to Enhanced Safety Measures

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 Olivia Marie  
admin

## Device Details

[Dashboard](#) > [Device](#) > Device details

[View Trips](#) [Select Solution](#) [Select Device](#)

**BLIND SPOT**

Presence Of Vehicles: Detected  
Distance: 3 Meters  
Relative Speed: Approaching At 10 Km/H  
Direction: Moving Parallel

**PEDESTRIAN ALERT SYSTEM**

Pedestrian Detected: No  
Distance: 0

**LANE DEPARTURE WARNING (LDW)**

Lane Departure Detected: No  
Direction: 0  
Duration: 0

**DEER ALERT**

Deer Detected: No  
Direction: 0  
Duration: 0  
Distance: 0

**EYE COUNT**  
**25** +20%

**YAWN COUNT**  
**06** +20%

**TOTAL TRIPS**  
**15** +20%

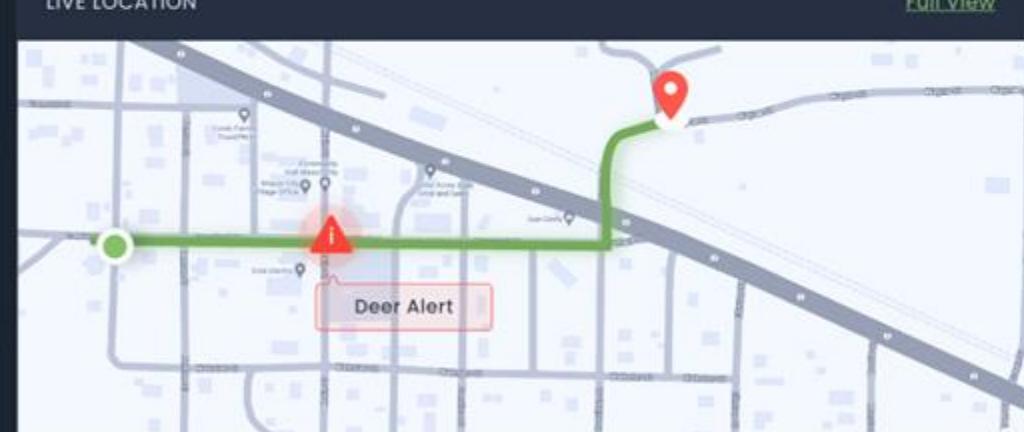
**TOTAL ALERTS**  
**23** +20%

**COLLISION**  
**05**

**CAR SPEED**  
**120** Kmph

**LIVE LOCATION**

Full View



Latlong: 41.223095, -99.297267

**EVENT OVERVIEW**

[View More](#)

Event	Speeding	Aggressive Acceleration	Location	Incident Severity	Environmental Conditions	Action Taken	Date Time
Collision Detected	Yes	Yes	Highway A	High	Clear, dry conditions	None	22-11-2023, 08:40 AM