NOVUS HI-TECH

ADAS
Advanced Driver Assistance System

DMS : Driver Monitoring System

Cloud Solution for Seamless Fleet Management

In-Cabin Voice Alert

Towards Zero Accidents

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ADAS : Advanced Driver Assistance System

Empowering Safer Roads and Smarter Mobility

At Novus Hi-Tech, we're committed to redefining safety and elevating the driving experience through our state-of-the-art Advanced Driver Assistance System (ADAS). Our ADAS solutions encompass NOVUS AWARE and NOVUS PILOT, both designed to integrate cutting-edge technologies and intelligent algorithms for enhanced driver safety and convenience.

We offer a complete connected vehicle solution, covering L0 to L5 levels of autonomy

KEY FEATURES

In-Cabin Audio Alerts

Immediate in-cabin audio alerts keep you informed, enhancing situational awareness and promoting timely responses for a safer driving experience.

Forward Collision Warning

Anticipate and react to potential frontal collisions with our forward collision warning system, providing vital seconds to help avoid accidents.

Pedestrain Collision Warning

Stay vigilant and proactive with real-time alerts about pedestrians in close proximity, significantly enhancing road safety.

Lane Departure Warning

Maintain proper lane discipline and reduce the risk of unintended lane departures through timely lane departure warnings.

Over-The-Air Programmable

Experience flexibility and seamless updates with over-the-air programmable features, ensuring your ADAS system is always up-to-date with the latest safety enhancements.

Headway Warning

Keep a safe distance from the vehicle in front using headway warnings, reducing the likelihood of rear-end collisions.

Video evidence for all warnings

Capture video evidence for every warning issued, providing crucial insights for post-incident analysis and resolution.

On Demand Camera View

Access a live view from the front camera on demand, offering enhanced real-time visibility and situational awareness.

Tampering Alerts

Receive immediate alerts in the event of tampering or unauthorized access to the system, ensuring the integrity and reliability of the safety features.

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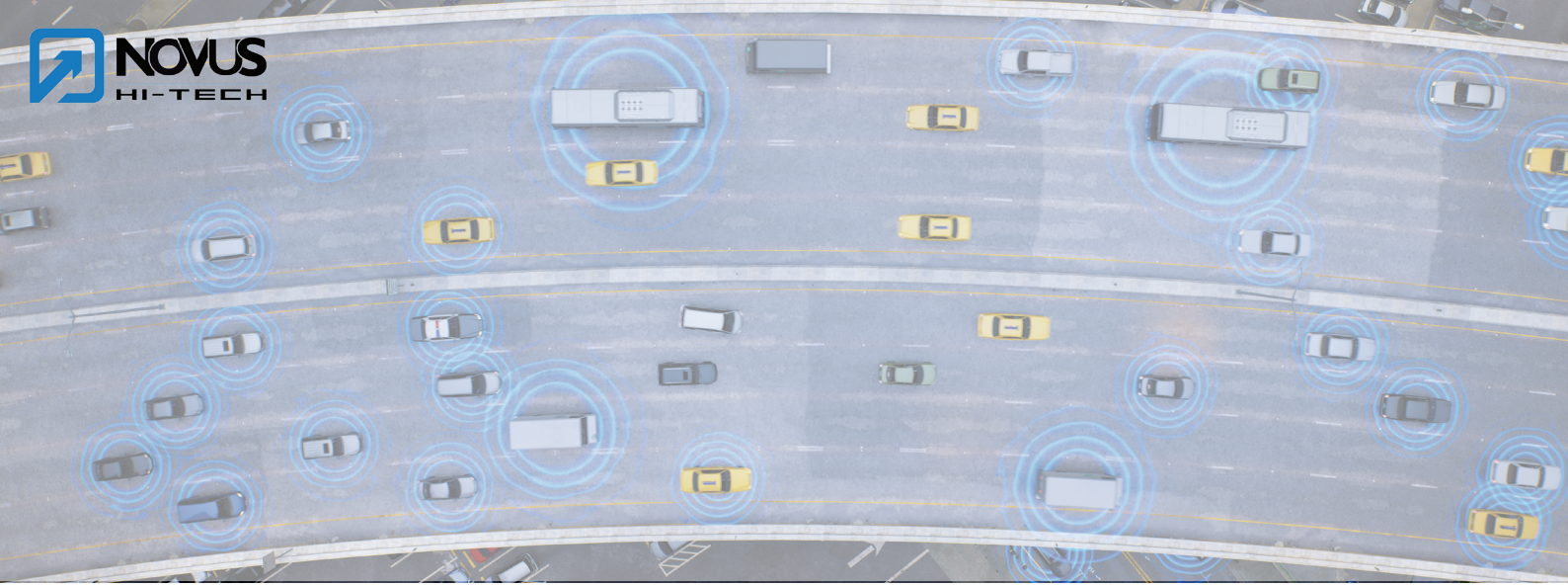EXPRESS DELIVERY   CONSTRUCTION & MINING   OIL & GAS   AUTOMOTIVE OEM

KEY FEATURES

Driving Behavior Analytics

Gain valuable insights into driving behavior, enabling informed decisions to enhance safety and operational efficiency.

Harsh Acceleration Detection

Detect abrupt accelerations to encourage smoother driving practices and minimize wear and tear on the vehicle.

Overspeeding Alert

Monitor and control vehicle speed, promoting safer driving habits and compliance with speed limits.

Hard Braking Detection

Detect sudden and harsh braking, enabling proactive measures to improve driving behavior and reduce the risk of accidents.

Harsh Cornering Alert

Monitor and curb aggressive cornering, contributing to overall road safety and optimal vehicle performance.

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DMS : Driver Monitoring System

Empowering Safer Roads Through Insightful Monitoring

Our Driver Monitoring System (DMS) is an integral part of NOVUS AWARE Solutions, revolutionizing road safety. Employing advanced technologies, including in-vehicle cameras, it comprehensively tracks and interprets nuanced emotions, reactions, and facial expressions in real time

KEY FEATURES

In-Cabin Audio Alerts

Receive immediate in-cabin audio alerts to enhance situational awareness and prompt timely responses, ensuring a safer driving experience.

Drowsiness Warning

Our advanced system identifies signs of drowsiness and alerts the driver, mitigating the risk of fatigue-related incidents on the road.

Distraction Warning

Stay focused on the road with our distraction warning system, designed to alert driver when attention is diverted from driving.

Phone calling Warning

Avoid distractions from phone calls while driving as our system provides real-time alerts, promoting responsible phone use for enhanced safety.

Smoking Warning

Maintain a smoke-free environment and prioritize passenger health with our system that issues immediate alerts for smoking inside the vehicle.

Over-The-Air Programmable

Enjoy flexibility and adaptability with over-the-air programmable features, allowing for seamless updates and enhancements to meet evolving safety needs.

Video evidence for all warnings

Capture video evidence for every warning issued, providing valuable insights and aiding in post-incident analysis and resolution.

On demand Driver Live View

Access a live view of the driver's seat upon request, ensuring accountability and enabling real-time monitoring for added safety and security.

Tampering Alerts

Receive immediate alerts in the event of tampering or unauthorized access to the system, ensuring the integrity and reliability of the safety features.

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www.novushitech.com | email : marketing@novushitech.com

Cloud Solution for Seamless Fleet Management

Your Gateway to Intelligent Operations

Discover the future of fleet management with our advanced Cloud Solution, meticulously crafted to streamline your operations, enhance safety, and drive efficiency. Harness the power of the cloud to access real-time data, insights, and management tools at your fingertips.

KEY FEATURES

Fleet Dashboard

Gain a comprehensive overview of your entire fleet at a glance, enabling efficient management and informed decision-making.

Accident Reconstruction

Accurately recreate accidents to analyze the events, contributing to enhanced safety measures and prevention strategies.

Fleet Health Dashboard

Monitor the health and performance of your fleet, ensuring optimal functionality and reduced downtime.

Violations Dashboard

Track and address violations swiftly, ensuring compliance with regulations and promoting a culture of responsible driving.

Driver Ranking with NHRSL Score

Evaluate driver performance through a specialized scoring system, encouraging safe and efficient driving practices.

Live Location Tracking

Access real-time location data for each vehicle in your fleet, facilitating precise monitoring and improved response times.

Trip Playback

Review past trips to analyze routes, driving behavior, and events, optimizing future planning and driver training.

Trip Management

Effortlessly manage and organize trips, schedules, and assignments for a streamlined workflow.

Driver Identification & Profiling

Identify drivers and access individual profiles, allowing for tailored monitoring and personalized feedback.

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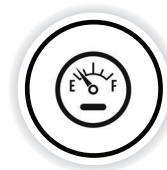EXPRESS DELIVERY | CONSTRUCTION & MINING | OIL & GAS | AUTOMOTIVE OEM

KEY FEATURES

Customizable Reports

Generate reports tailored to your specific requirements, providing insightful analytics for informed decision-making.

E-lock Integration Support

Integrate electronic locks to ensure secure access and prevent unauthorized usage or tampering.

Fuel Sensor Support

Monitor fuel levels in real time, optimizing fuel consumption and reducing operational costs.

Temperature Sensor Support

Ensure appropriate temperature conditions for sensitive cargo by integrating temperature sensors into your fleet management.

Integrable with Other IoT Sensors

Seamlessly integrate with various IoT sensors to enhance operational efficiency and gather critical data for informed decision-making.

On Demand Camera Live View

Access live camera feeds on demand, enhancing real-time monitoring and situational awareness.

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In-Cabin Voice Alert

Enhancing Fleet Safety and Operations

Welcome to a new era of fleet safety. Our In-Cabin Voice Alert system is here to revolutionize the way fleet operators manage safety and communicate with drivers. With a focus on real-time auditory guidance, our cutting-edge technology provides immediate alerts, ensuring safety is at the forefront of every journey.

KEY FEATURES

IP65 Rating

Designed to withstand the harshest environmental conditions, our system boasts an IP65 rating, ensuring durability and reliability.

4G/LTE Connectivity

Stay connected with high-speed 4G/LTE connectivity, facilitating seamless communication and data transmission.

2-Way Voice Communication

Enjoy clear and direct communication through 2-way voice interaction, enhancing in-cabin connectivity and coordination.

Text-to-Speech Functionality

Convert written text into spoken words, providing critical information audibly and enhancing driver comprehension.

Journey Risk Management

Prioritize safety with real-time journey risk management, assessing potential hazards and ensuring a proactive approach to safe driving.

Over-The-Air Programmable

Experience flexibility and adaptability with over-the-air programmable features, allowing for seamless updates and enhancements to meet evolving safety needs.

Tampering Alerts

Receive immediate alerts in the event of tampering or unauthorized access, ensuring the integrity and reliability of the safety features.

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Towards Zero Accidents

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