NETSTAR

A SUBSIDIARY OF ALTRON

AI CAMERA SOLUTION

PROACTIVE FLEET CAMERAS POWERED BY ARTIFICIAL INTELLIGENCE

ENSURE DRIVER SAFETY
& REDUCE FLEET COSTS

Two of the biggest challenges fleet managers face are driver safety and managing fleet costs.

Human error accounts for 90% of road accidents, resulting in fatalities. The loss of life and collateral damage can be prevented or reduced when driver behaviour improves.

Poor driving behaviour like speeding, driver fatigue, and driver distractions like smoking or using a cellphone, puts the driver and other road users at risk. It also has a massive impact on fleet costs like higher fuel, maintenance, and insurance costs.

PROACTIVELY MONITOR
YOUR FLEET & DRIVER PERFORMANCE

With the Netstar AI Camera Solution, you can proactively coach, monitor and manage your drivers to improve driving behaviour.

The cameras work with AI algorithms to recognise potential collisions and risky driver behaviour – keeping your drivers and fleet safe.

The Advanced Driver Assistance System (ADAS) uses a road-facing camera to provide real-time output on safe following distances and forward collision. Driver Status Monitoring (DSM) uses an in-cab driver-facing camera to monitor driver fatigue and distractions.

WHAT WE **OFFER**

- **AI Alarms and Email Notifications**
- **Real-time Video Recording, Alarm Evidence Video and Remote Streaming**
- **Alarm Dashboards**
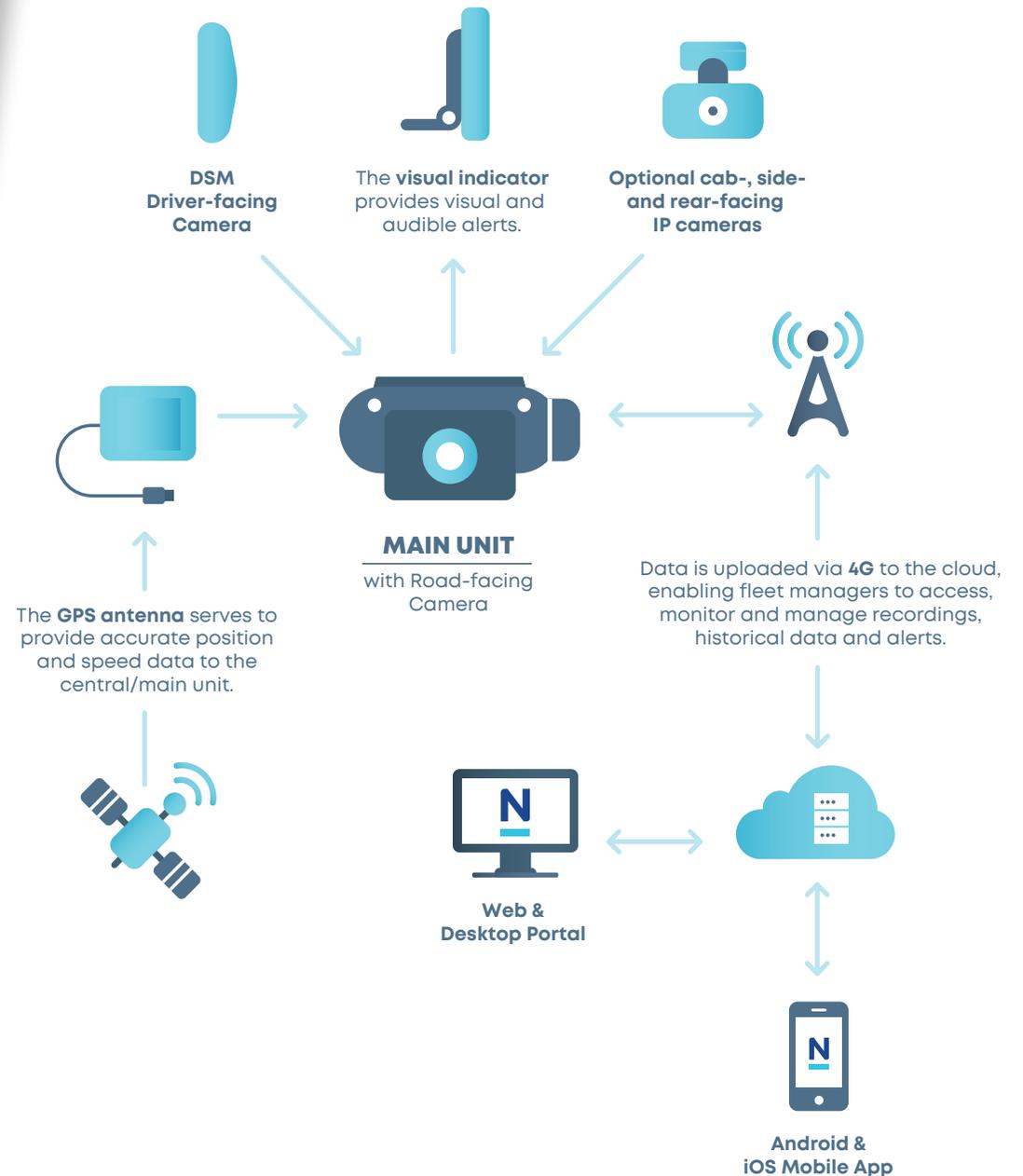- **Driving Analytics**
- **GPS Tracking**

HOW THE **AI CAMERA SOLUTION WORKS**

The AI cameras provide visual cues to the central unit to capture events and upload them to a secure evidence centre in the cloud.

Fleet managers gain access to real-time or historical data via the desktop application, web portal or mobile application. Mobile applications are available for Android and Apple iOS.

You can configure the system to send an email notification containing a video link. Use the recordings for training, education or as visual evidence in the case of incidents and insurance claims.

Easy to install and non-invasive equipment fits in the vehicle.

DSM Driver-facing Camera

The **visual indicator** provides visual and audible alerts.

Optional cab-, side- and rear-facing IP cameras

MAIN UNIT
with Road-facing Camera

The **GPS antenna** serves to provide accurate position and speed data to the central/main unit.

Data is uploaded via **4G** to the cloud, enabling fleet managers to access, monitor and manage recordings, historical data and alerts.

Web & Desktop Portal

Android & iOS Mobile App

ABOUT **AI CAMERA ALARMS**

A driver is alerted to the AI alarms via the main unit and in-cab visual indicator to avoid incidents before they occur. The AI alarms provide a **beeping sound**, an **audible in-cab voice message** and an i**con on the visual indicator.** We will configure the alarms to suit your needs.

G-SENSOR ACCELERATION ALARMS

Acceleration alarms, indicating possible harsh braking, cornering or speeding events, are sent directly to the cloud. The driver is not alerted to these alarms inside the cab.

ADVANCED DRIVER ASSISTANCE SYSTEM (ADAS) ALARMS

Collision Warning
A collision warning triggers when collision time is less than the safe threshold.

Unsafe Following Distance
The alarm notifies the driver when the distance between the vehicle and the front is less than the safe distance.

Pre-alert and Overspeed Warning
The alarm alerts the driver if they exceed the speed limit threshold (not linked to road speed limit).

DRIVER STATUS MONITORING (DSM) ALARMS

Fatigue Warning
Any time a driver yawns or closes their eyes, they will get a "Please Rest Now" trigger.

No Phone Allowed
Detects motion and shape when driver puts a cellphone near their ears or mouth.

No Smoking Allowed
Detects motion if a cigarette is in the driver's mouth or gestures with cigarette.

Warning! Driver Distraction
An alarm triggers when the driver looks downward or to the sides for a prolonged period.

Camera Covered
An alarm triggers when the driver-facing camera is covered while the vehicle moves >10km/h.

Warning! No Driver
An alarm triggers when the driver's face is undetectable while the vehicle moves >10km/h.

WHAT NETSTAR'S SOLUTION DOES FOR YOUR BUSINESS

- Safer drivers, passengers and other road users
- Reduced vehicle downtime
- Reduced accident-related repairs and maintenance costs
- Saving on insurance premiums and fuel

> "There are over **1 300 000** road deaths each year throughout the world. Installing a video event recorder can cut a driver's collision rate by **50%**."
>
> **Ageas Business Report**

FLEET MANAGER OUTCOMES

| Reduced fleet costs

| Reduced vehicle/stock loss

| Increased efficiencies

DRIVER OUTCOMES

| Quicker claims clearing

| Reduced risk of life loss

| Better driver behaviour

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FIND OUT MORE

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