



NETSTAR

A SUBSIDIARY OF ALTRON

AI CAMERA SOLUTION

***PROACTIVE FLEET
CAMERAS POWERED BY
ARTIFICIAL INTELLIGENCE***

YOUR CHALLENGE

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.



OUR AI CAMERA SOLUTION

PROACTIVELY MONITOR YOUR FLEET & DRIVER PERFORMANCE

With the Netstar AI Camera Solution, you can proactively monitor, manage and coach 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 behaviour, such as driver fatigue and distractions.

WHAT WE OFFER



AI Alarms and Email Notifications



Real-time Video Recording, Alarm Evidence Video and Remote Streaming



Alarm Dashboards



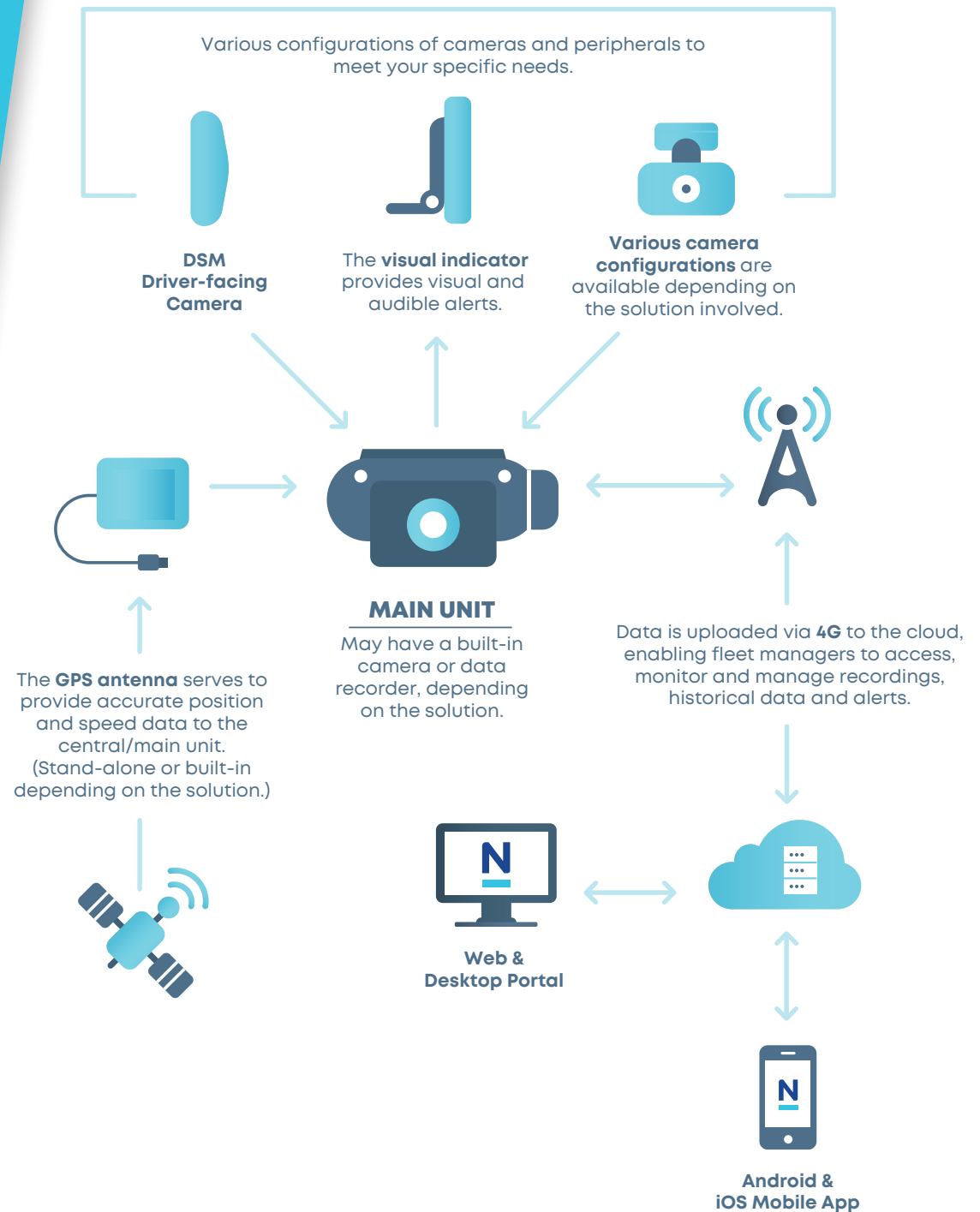
Driving Analytics



GPS Tracking

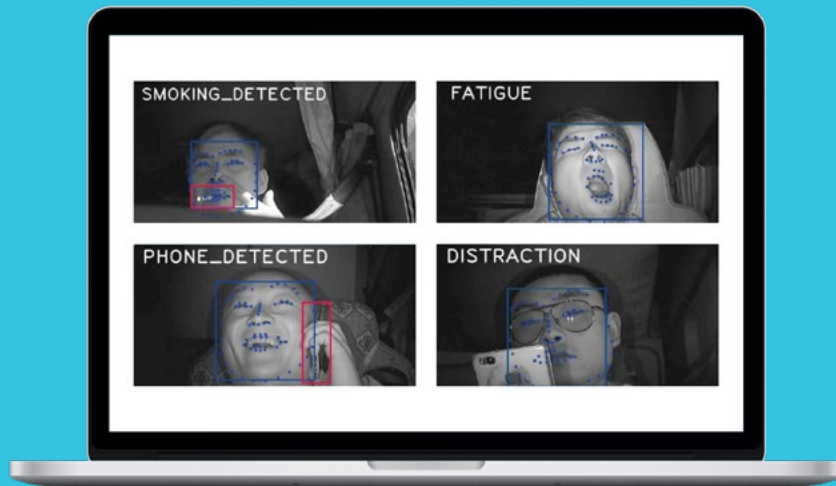
HOW THE AI CAMERA SOLUTION WORKS

1. The AI cameras provide visual cues to the central unit to capture events and upload them to a secure evidence centre in the cloud.
2. 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.
3. You can configure the system to send an email notification containing a video link.
4. Use the recordings for training, education or as visual evidence in the case of incidents and insurance claims.



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 **icon on the visual indicator**. We will configure the alarms to suit your needs.



G-SENSOR ACCELERATION ALARMS

Acceleration alarms are sent directly to the cloud, indicating possible harsh braking/acceleration/cornering or speeding events. Each of these events are reported as separate triggers.

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.
-  **Driver Distraction**
An alarm triggers when the driver looks downward or to the sides for a prolonged period.
-  **Seatbelt Detection**
Detects whether a seatbelt is positioned across the front of a driver's body.
-  **Camera Covered**
An alarm triggers when the driver-facing camera is covered.
-  **No Driver**
An alarm triggers when the driver's face is undetectable.

THE RESULT

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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