Safer and more dependable

Safe driving is easier if the truck can predict potential dangers and warn the driver. To do this, the Quon features advanced safety systems such as the Traffic Eye Brake System and the Driver Alert System.

The goal is to achieve ‘safety that puts people first’ by providing safe driving conditions for drivers, while maintaining safety in the surrounding environment.

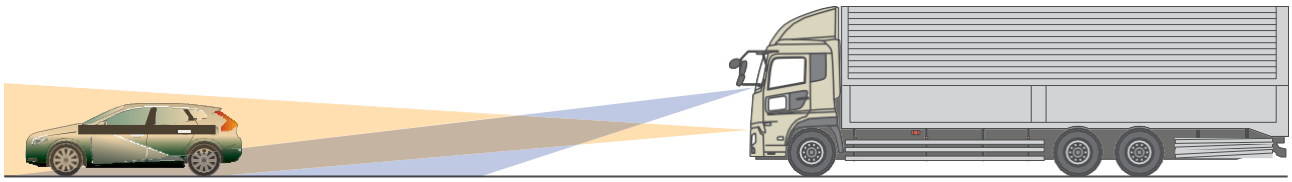
Disc brakes with high heat dissipation and superior fade resistance improve safe driving.

Active safety: Improved driver safety

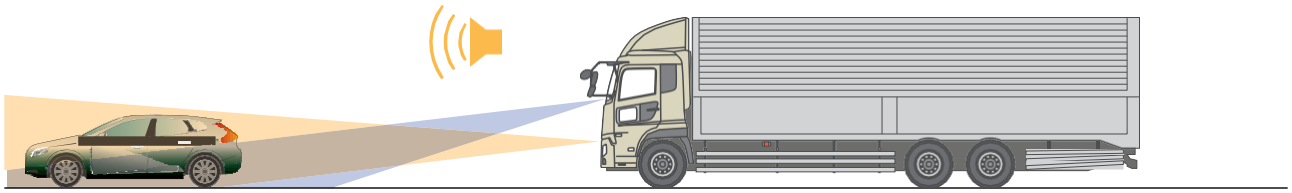
Traffic Eye Brake System

This system uses millimetre-wave radar and a camera to monitor the area in front of the truck. If it detects a potential collision it sounds an alarm, displays a warning lamp and a warning message. If the truck continues to close on the vehicle ahead, the system applies the brakes automatically to slow the truck and prevent the collision.

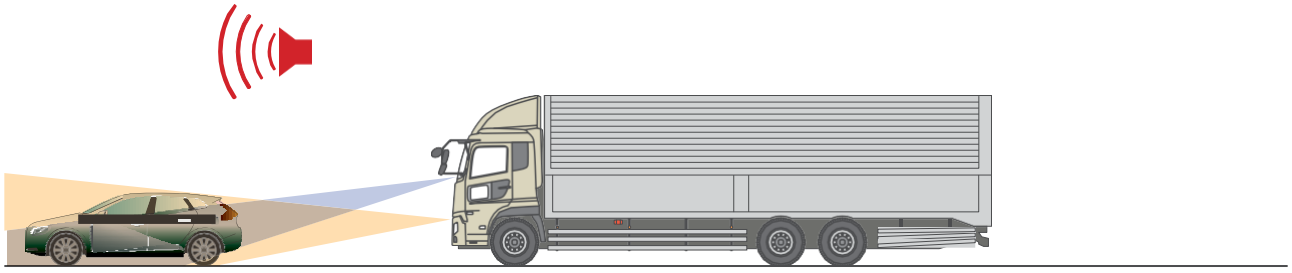
Traffic Eye Brake System Operation Figure



1. Uses both millimetre-wave radar and camera to monitor conditions in front of the truck.



2. While driving, if the system detects a chance of collision with the vehicle ahead, it sounds an alarm and displays a warning indicator to alert the driver.



3. If the vehicle gets close enough for a collision to be possible, the system quickly applies the brakes to reduce the potential damage from a collision.

NOTE: The Traffic Eye Brake System provides assistance for safe driving, but does not guarantee that all collisions will be avoided. It might not be possible to use this system on some roads and in some weather conditions. Please take care to drive safely without total reliance on this system.

Passive safety: Suppressing damage to a minimum

- Highly rigid cabin
- Side door beams
- FUPS*
- SRS airbags
- Seat belts with pre-tensioners
- Steering wheel & column with impact absorption function
- ECE-R29 cab strength compliant

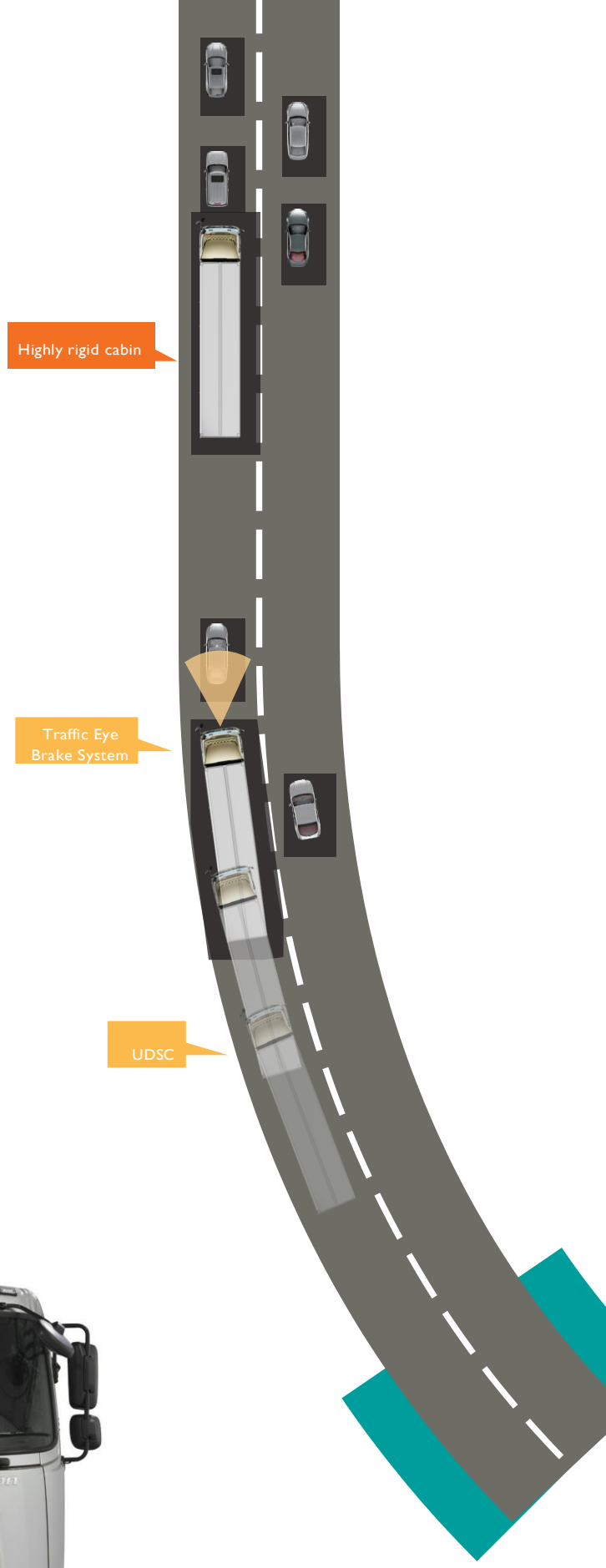
*Front Underrun Protection System

Active safety: Predicting risk for driver safety

- Traffic Eye Brake System
- Traffic Eye Cruise Control
- LDWS (Lane Departure Warning System)
- UDSC (UD Stability Control)
- Driver Alert System

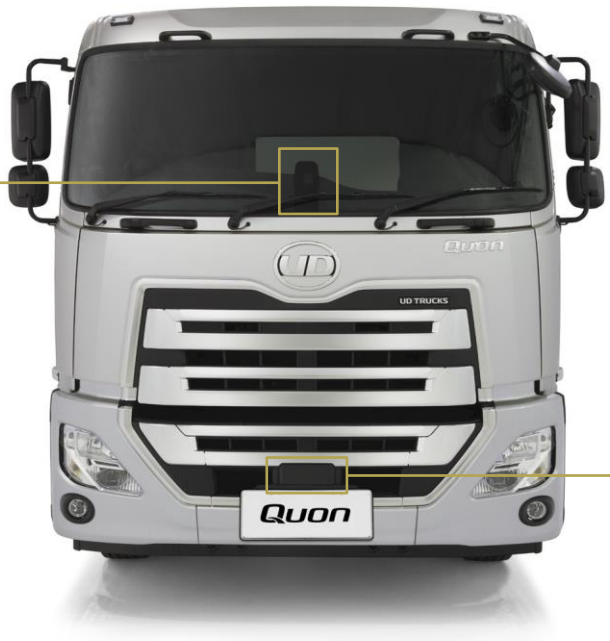
Basic safety: Contributing to reducing fatigue while driving, supporting safe driving

- LED Headlamps
- Disc brakes
- Emergency Braking System
- UD Extra Engine Braking (UD EEB)
- UDSC (UD Stability Control)
- Safe Brake Blending
- Immobiliser
- Easy two-step entry/exit & long grip (driver's side)



Traffic Eye Brake System Components

The Traffic Eye camera functions as a sub-sensor when detecting stopped vehicles.



The Millimetre-wave radar functions as the main sensor when detecting the vehicle ahead.

Active safety: Predicting risk for driver safety

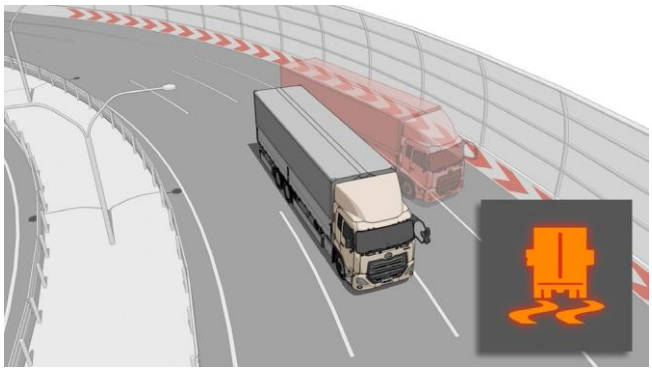
Lane departure warning system

The in-cab camera detects the traffic lanes to the left and right. If the driver unintentionally leaves the lane while driving at 60km/h or faster, the system sounds an alarm and flashes an indicator.

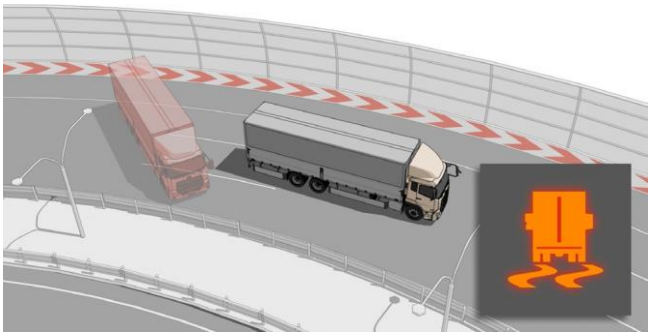
This function is not triggered if the brakes and turn indicators are used.

Driver Alert System

The in-cab camera analyses the positional relationship between traffic lanes and vehicles, and estimates the driver's level of concentration based on irregular or shaky steering. If the system determines that the driver's level of concentration has dropped, it activates a two-step alarm and displays a warning message xon the multi-display to alert the driver and suggest a break.



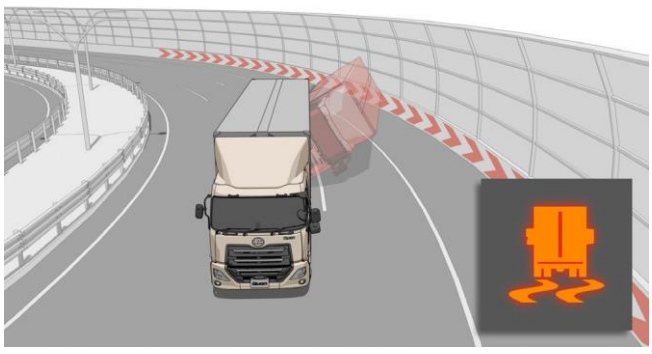
Drifting (snowy and muddy roads, etc.)



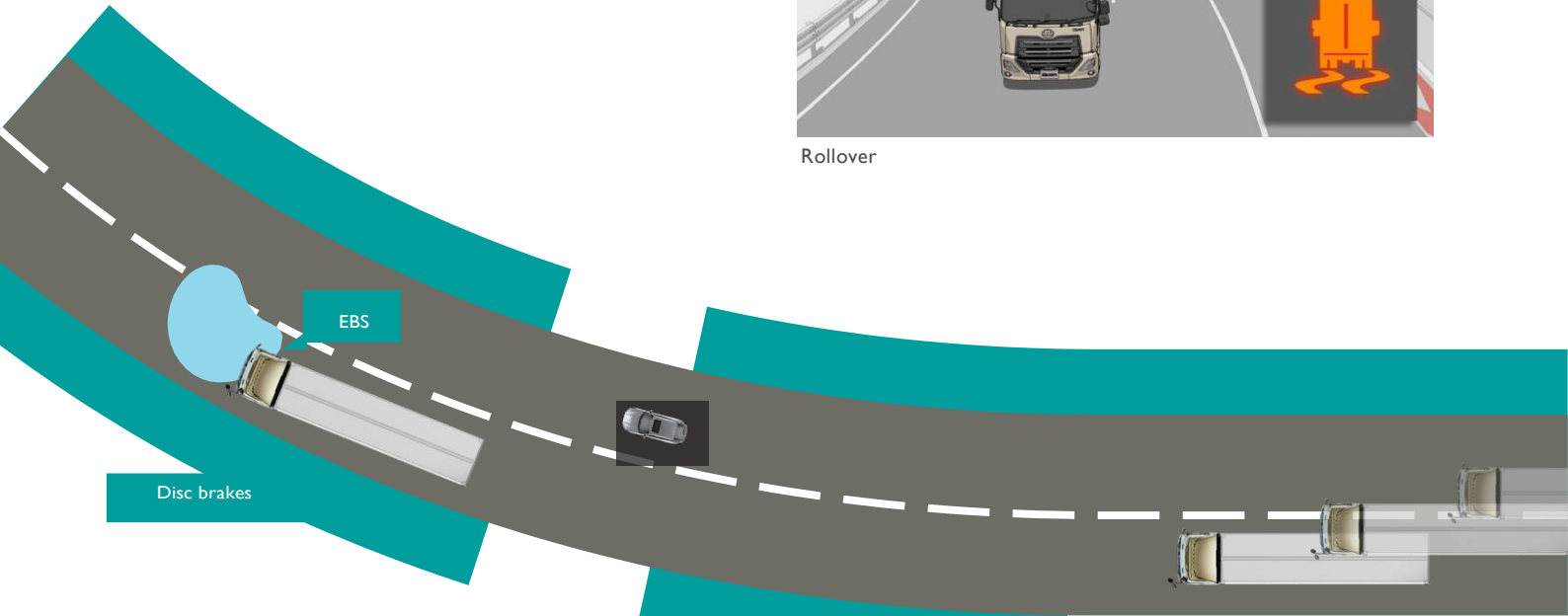
Sliding/Spinning

UD Stability Control (UDSC)

If the UDSC sensor detects conditions in which the truck could become unstable, such as curves or slippery road surfaces, the system applies suitable control to engine output, brakes, and braking power to each tyre to keep the truck stable. UDSC is standard on all models.



Rollover



Basic safety: Reducing fatigue while driving

LED headlamps

The long-lasting LED lamps used for low beam provide a bright and clear light to improve night-time visibility for safe driving.

UD EEB (UD Extra Engine Braking)

The UD EEB function on the GH11 engine maintains a high engine rpm to ensure maximum auxiliary braking performance.

Safe Brake Blending

Brake blending provides superior braking efficiency and optimal balance between the main brakes and auxiliary brakes, simply by pressing the brake pedal.

Immobiliser

You can only start the engine with the dedicated key, helping to reduce the risk of vehicle theft. The immobiliser is equipped as standard on all models.

Disc brakes

Disc brakes with high heat dissipation and superior fade resistance provide reliable braking performance even on long descents. As they are less susceptible to water penetration, they also provide stable braking performance even in adverse conditions. They respond quickly and smoothly to the brake pedal and reduce the impact of braking, to prevent damage to your valuable cargo.

Emergency Braking System

This system uses dual monitoring with a millimetre-wave radar and camera to warn the driver of a potential collision with the vehicle in front. If the chance of a collision increases, it applies the brakes automatically to reduce damage.

Long grip on driver's side and two-step floor height

Long grip and two-step entry/exit make it easier to get in and out, while the floor height has been lowered to improve direct visibility.