

# KENWORTH ADAS: ADVANCED DRIVER ASSISTANCE SYSTEM

Kenworth's Advanced Driver Assistance System (ADAS) is designed to enhance safety, improve performance, and support drivers in real-world conditions directly from the cab. These advanced technologies monitor road activity, detect potential hazards, and deliver real-time alerts using a combination of built-in radar sensors, cameras, and on-board computers. Kenworth ADAS technologies include:

## COLLISION MITIGATION

Detects potential forward collisions using radar and camera technology. The system provides alerts and can automatically reduce throttle, engage engine braking, and apply foundation brakes to reduce or prevent an impact.

## AUTONOMOUS EMERGENCY BRAKING

Automatically applies braking if the system detects an oncoming collision and driver response is delayed to help reduce the severity of the impact or potentially avoid the collision altogether.

## ADAPTIVE CRUISE CONTROL

Uses forward radar to monitor traffic conditions and maintain a preset following distance. The system automatically adjusts throttle and braking to keep spacing consistent, then smoothly returns to its set speed when traffic clears.

## LANE SAFETY SYSTEMS

LANE DEPARTURE WARNING helps prevent unintentional drifting by providing audible alerts when the truck begins to leave its lane.

LANE KEEPING ASSIST uses camera input to monitor lane position and provides a gentle steering "nudge" to help guide the truck back into the lane.

## ELECTRONIC STABILITY CONTROL

Helps maintain vehicle control in slippery or unstable conditions by reducing engine power and applying braking when a loss-of-control situation is detected.

## SIDE OBJECT DETECTION

Continuously monitors blind spots and provides visual and audible alerts when objects or vehicles are detected in those zones.



LANE DEPARTURE WARNING

COLLISION MITIGATION

ADAPTIVE CRUISE CONTROL

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