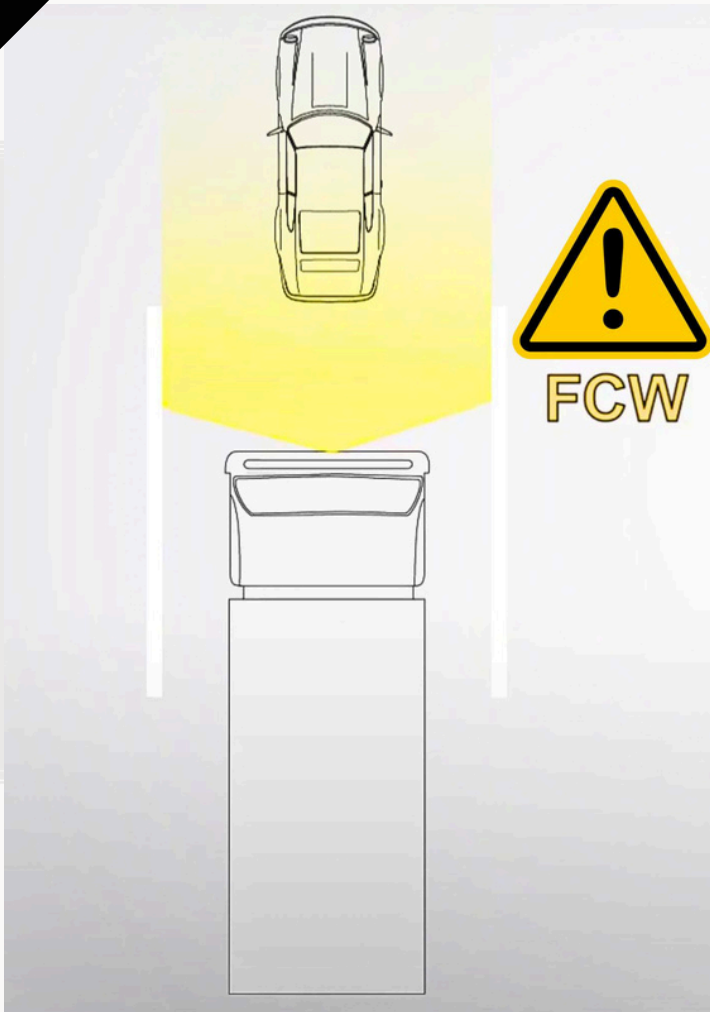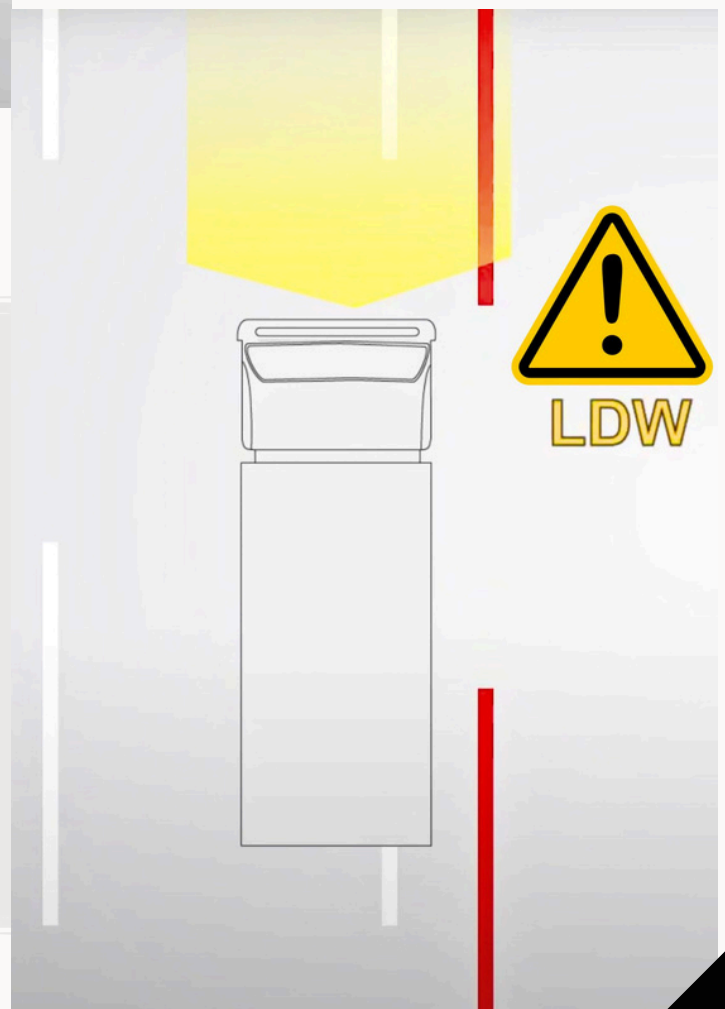# AI DASH-CAM

Introducing the Alphalift AI Dashcam, equipped with an integrated 4G/WiFi/GPS antenna and a front view/DMS camera. This device operates independently, eliminating the need for complex attachments. Its built-in 2K front view camera continuously monitors driving conditions in real time and offers ADAS features, including lane departure warning and forward collision warning. Additionally, the cabin camera keeps track of the driver's status, providing both audible and visual alerts in cases of unusual driving behavior. With its sleek and compact design, installation is a breeze. This dashcam also supports remote monitoring and alerts, facilitating effective fleet management.

Smoking

Infrared blocking glasses

No Seat Belt

No Driver

Fatigue

Yawning

Camera Blocking

Distraction

Phone Use

*All images are for illustrative purposes only

![Alpha Lift logo]

FCW

The forward collision warning technology can intelligently and accurately analyze the distance and relative speed between the vehicle and proceeding vehicle, estimate the potential risk of rear end collision, and send warnings to the driver to avoid accidents.

The lane departure warning technology can precisely collect the lane information by processing and analyzing the video of driving. When the driver is detected to shift the lane without turning on the signal light, an alarm will be triggered immediately to prevent the possible traffic accidents caused by lane departure.

LDW

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PRODUCT DETAILS

- ·Two Built-in cameras, supports expansion of one analog camera and one IPC, up to 4 channels with recording
- ·DMS, ADAS all in one, with customizable algorithms
- ·Built-in Bluetooth, WIFI, LTE, GPS module
- ·Highly integrated, fully built-in antenna, integrated installation, small and easy to install
- ·Supports remote platform management
- ·The peripheral box is designed separately, rich interface expansion
- ·Camera supports WDR, 2K ultra-HD recording, so the day vision and night vision are excellent
- ·Dual TF card mass storage, support H264/H.265 video encoding recording
- ·DMS camera can be rotated left, right, up and down to adjust for different car and driver installation
- ·Built-in driving behaviour recognition algorithm, can identify rapid acceleration and deceleration, collision and other behaviours
- ·Supports wide voltage input and super capacitor power failure protection
- ·Built-in MIC and speaker, supports remote voice intercom function, and real-time alarm voice alert
- ·Can add External camera which supports BSD algorithm for pedestrian recognition
- ·Supports radar access for collision warning and distance detection
- ·Supports connection with iOS/Android mobile APP, quickly set device parameters and video live viewing, video playback
- ·Supports emergency alarm button function that gives fast access to emergency calls
- ·Supports multiple alarms, with 15s pre-recording time

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PRODUCT PARAMETERES

ADAS Camera	
Sensor Types	1/2.7" 5MP CMOS sensor
Lens	2.8mm HFOV 130° VFOV 95°
Signal-Noise Ratio S/N	39dB
Wide dynamic range	74dB
Type of lens interface	Host built-in lens

DMS Camera	
Sensor Types	1/2.8" 2MP CMOS sensor
Lens	3.6mm HFOV 100° VFOV 53°
Signal-Noise ratio	S/N TBD
Wide dynamic range	>120dB
Type of lens interface	Host built-in lens

System	
Operating system	Linux
Operating interface	APP/ WebUI
Operating permission	Administrator & user setting

Video	
Video input	Built-in 2K+Built-in 1080P+External camera2*1080P
Video standard	PAL: 25 fps/ NTSC: 30 fps
Compression	H.264/H.265

Audio	
Audio input/output	Built-in mic/ speaker
Compression	ADPCM

Recording	
Image resolution	2K/1080P/720P/D1

Storage	
Video bit rate	64kbps~4Mbps/channel
Audio bit rate	32kbps
Storage	56~2700MB / (Channel*Hour), Micro SD card * 2, max 512GB*2

Interface	
RS232	1 channel
RS485	1 channel
CAN	1 channel
IO Input	2 channel
IO Output	2 channel

Wireless	
3G/4G	Available
WIFI	Available
GPS	Available
BlueTooth	Available

G-Force	
Six-axis sensors	Available

Power supply	
Power Input/ Output	DC 10~32V/ 12V@4A
Max. power consumption	8W
Hibernate function	Not available

Environment	
Working temperature	-20~70 degree
Humidity	<80%

Software	
Windows Client	Available
iOS Client	Available
Android	Available
Web	Available

Algorithm	
Front View ADAS	Forward Collision Warning(FCW), Lane Departure Warning (LDW), Pedestrian Detection (PD), Speed Limit Sign Recognition (SSR), Stop Sign Recognition
In-cabin DMS	Fatigue driving, distraction, smoking, talking on smart phone, no mask, no driver, FACEID Human Face Identity, no seat belt, camera obscured

Others	
Supercapacitor	Available

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PRODUCT APPLICATION

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CHECK OUT OUR OTHER PRODUCTS

Red Zone Light	Red Arc Light	Blue Spot Light	360 Camera	Forklift Speed Limiter

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