VISIONTRACK

VT-DSM

VT-DSM

DRIVER FATIGUE DETECTION CAMERA KIT

VisionTrack's new range of Active Safety Systems is designed to prevent some of the major causes of incidents, including, driver fatigue, tailgating, lane deviation, driver distraction, blind spots and speeding.

The new Driver Fatigue Detection Kit (VT-DSM) actively tracks the eyes and facial features of the driver to detect the early signs of fatigue. The intelligent algorithm analysis detects when the driver shows signs of fatigue, triggering an alert. If the person continues to drive whilst still showing signs of fatigue, the system will continue to sound an alarm.

The Artificial Intelligence black box system also features an output used to trigger external warning devices and telematics systems so that alerts can be remotely monitored in real-time.

www.visiontrack.com 01246 225 745 info@visiontrack.com

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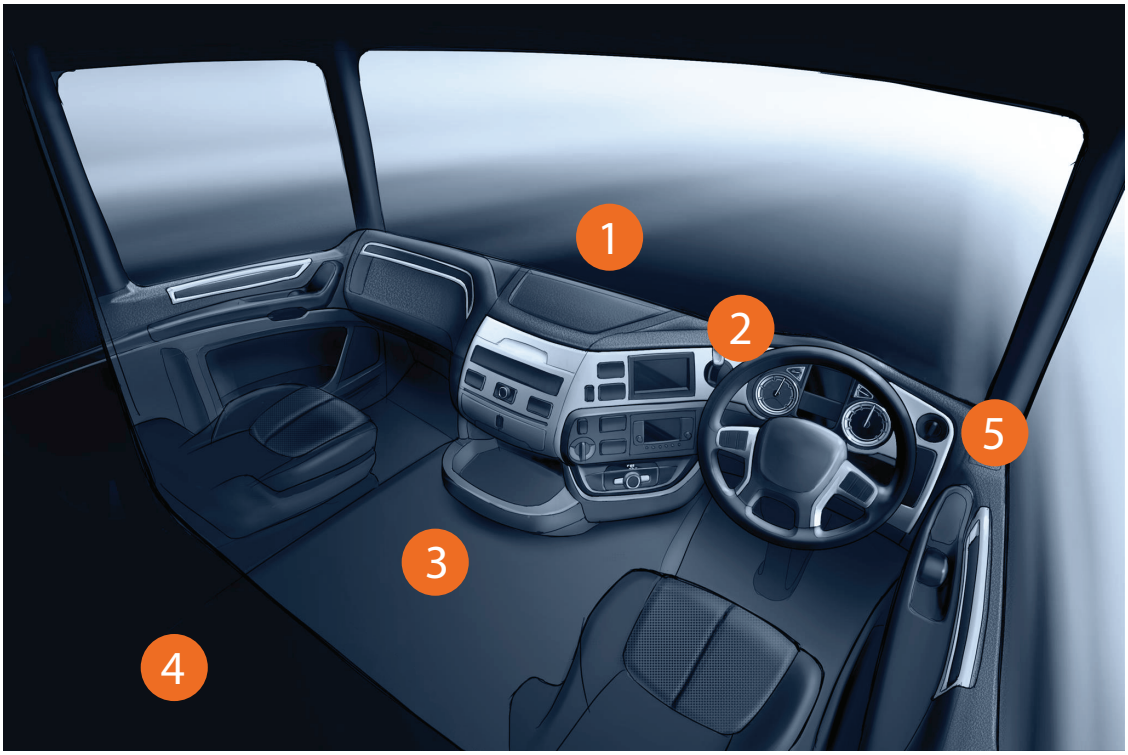

VT-DSM Kit Includes:

1 ADAS
Camera

- 1/2.8"1920x1080 CMOS
- Min illumination 0.1 Lux
- 1080P video output
- DC12V, DC7V-DC15V

2 DSM
Detector

- 1/3"1280x720 CMOS
- Supports IPC resolution 720P & 1080P
- IP54 water-resistant and dust proof

3 AI BOX
Artificial Intelligence

- 1 channel AHD 720P + 1 channel AHD 1080P
- Power output 10W
- Integrates with monitor
- LAN interface

4 VT-MDVR-GSENSOR
G-Shock Sensor

- 1/3"1280x720 CMOS
- Supports IPC resolution 720P & 1080P
- IP54 water-resistant and dust proof

5 R-WATCH
Display

- IP54 water-resistant and dust proof
- Diagonal size 1.4"
- Resolution 128x128; Brightness 400cd/m²
- Built-in, adjustable buzzer volume (not less than 80dB)
- 5V-12V DC
- RS485

ALERTS AVAILABLE USING THE SYSTEM INCLUDE

ADAS CAMERA

- Lane Departure Warning
- Forward Collision Warning
- Pedestrian & Cyclist Detection

DSM CAMERA

- Driver Fatigue Warning
- Mobile Phone Usage Warning
- No Driver Present
- Driver Distraction Warning
- Seat Belt Detection
- Smoking Warning

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Specifications*:

Advanced Driver Assistance System (ADAS)

Sensor	1/2.8"1920*1080 CMOS
Shutter	1/50 seconds to 1/100000 seconds
S/N	>42dB
Minimum illumination	0.1 Lux
Focal length	8MM (The amount of passed light is F1.8)
Size	M12
Wide dynamic range	Not supported
Gain control	Auto
White balance	Auto
Backlight compensation	Supported (Default is off)
Mirror adjustment	Supported (Default is off)
Exposure mode	Supported (Default is auto)
AHD	1080P
Riot class	Not required
Protection class	Not required
Power supply	DC12V, DC7V-DC15V
	With anti-reverse function to meet the vehicle application requirements
Power consumption	Less than 1.5W

Driver Status Monitor (DSM)

Sensor	1/3"1280*720 CMOS
Shutter	1/50 seconds to 1/100000 seconds
S/N	>45dB
Minimum illumination	0 Lux
Size	M12
Gain control	Supported (Default is 0)
White balance	Auto
Backlight compensation	Supported (Default is off)
Mirror adjustment	Supported (Default is off)
Exposure mode	Supported (Default is auto)
IR distance	2m
Video output	720P
Power supply	DC12V, DC7V-DC15V
	With anti-reverse function to meet the vehicle application requirements
Power consumption	Less than 5.0W (IR is on)

Artificial Intelligence Box

Video	1-channel AHD 720P+1-channel AHD 1080P
Power output	10W
Network communication	PON interface
Power input	8~36V
Supply current	Max.5A (Peak value)
Operating temperature	-40~+70ºC
Extensions	Can connect to external screen/monitor

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