VISIONTRACK

VT-AD KIT

VT-AD KIT

DRIVER FATIGUE DETECTION CAMERA KIT

The VT-AD KIT is a dedicated AI computing center for ADAS (Advanced Driving Assistant System) and DSM (Driver Status Monitoring) systems. A real-time alert is sent out from the R-watch which creates an active safety system for the driver. With limited configurations and cable connections, this active safety system is ready to go.

Furthermore, a closed-loop evidence chain for fleet management can be created by using VisionTrack MDVR and telematics. Artificial intelligence algorithms provide accurate and rapid active safety detection ability. This powerful system could be applied in various types of vehicles included taxis, public transport, trucks and tippers.

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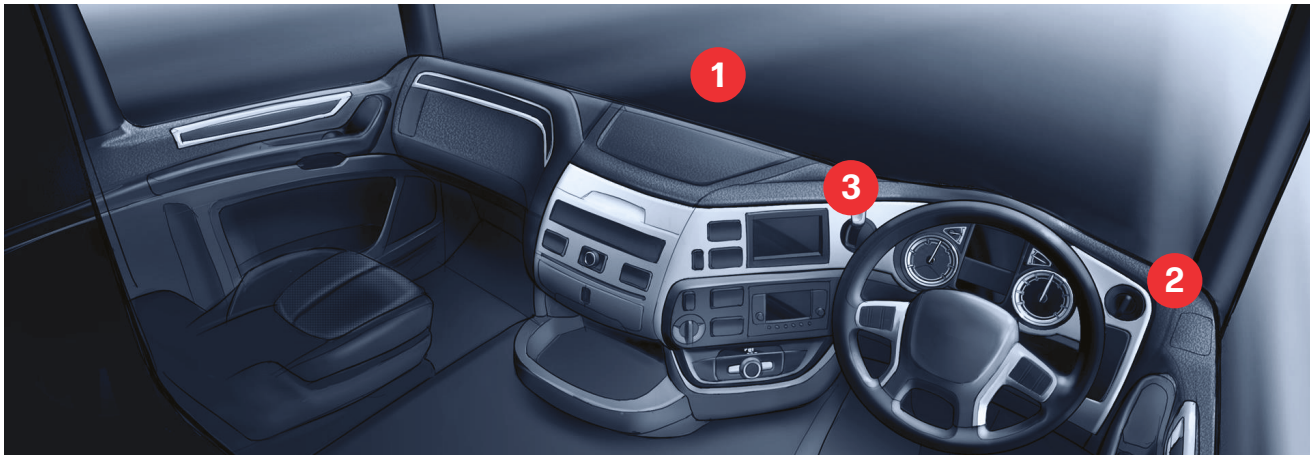
VT-AD KIT



VT-DSM Kit Includes:

1 ADAS (VT-ADAS CAMERA V2)

Camera

- 1/2.7" 2M pixel CMOS
- Min illumination 0.1 Lux
- 1080P video output
- DC12V

2 DSM (VT-DSM V2)

Detector

- 1/3"1.3M Pixel CMOS
- Supports IPC resolution 720P & 1080P
- IP54 water-resistant and dust proof

3 R-WATCH (VT-R WATCH V2)

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 Detection

DSM CAMERA

Driver Fatigue Warning

Mobile Phone Usage Warning

Smoking Warning

No Driver Present

Driver Distraction Warning

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VT-DSM V2

Image Sensor	
Lens	6mm M12
Sensor	1/3" 1.3M Pixel CMOS
Shutter	Manual 1/60s to 1/5000s
	Auto 1/60s to 1/10000s
S/N	>45dB
Minimum illumination	0Lux
IR	12 meters
Speaker	86dbm@ 10cm
Interface	
Network	PON
External Camera	Mini DIN connector (4-PIN), AHD 1080P @30fps Max
R-Watch	RS485
Power Supply	
Input	PON interface DC7-15V
Consumption	<7 W (without ADAS cam)
Supply Current	5A, Max
Others	
Dimensions	105mm x 89mm x 60mm (W x H x D)
Weight	450g
Working Temperature	-30°C - +70°C
Working Humidity	20% - 90%RH

VT-ADAS CAMERA V2

Lens	8mm M12
Sensor	1/2.7" 2M Pixel CMOS
S/N	>50dB
Minimum illumination	0.01Lux
IR	No
Power Supply	DC12V+ 10%
Input	PON interface DC7-15V
Consumption	90mA/DC12V+ 5%
Dimensions	54.5mm x 85mm x 39mm (W x H x D)
Working Temperature	-40°C - +70°C
Standard	PAL
Electronic Shutter	Automatic
White Balance	Auto White Balance
Video Output	AHD HD standard and cables of 4 pin mini DIN connector

VT-R WATCH V2

Display	
Diagonal size (inch)	1.4"
Resolution	128 x 128
Brightness	400cd/m²
Light Sensor	Support
Lens	Glass
Communication	RS485
Buzzer	Built-in, adjustable volume, volume not less than 80dB
Power	5V-12V DC
Cable Length	3m
Connect Type	Reserved Interface

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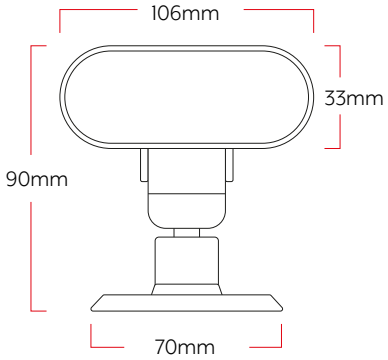
VT-DSM V2



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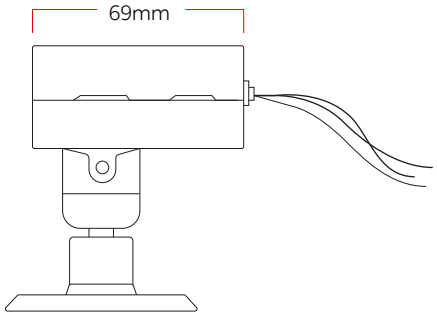
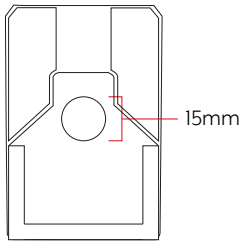


SIDE

VT-ADAS CAMERA V2



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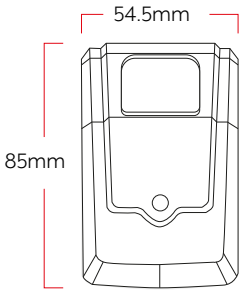

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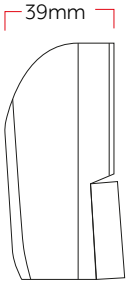

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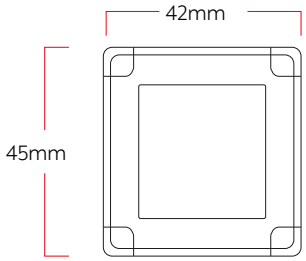
VT-R WATCH V2



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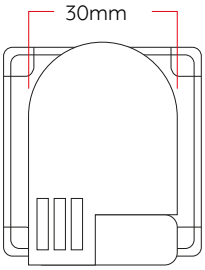

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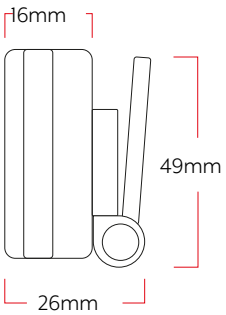

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