VT3000-AI

VT3000-AI

VT-DSM-AI

VT670-IPC
(Optional)

VT-R WATCH V2

VT3000-AI VT3000-AI (UK/EU), VT3000-AI (USA), VT3000-AI (ANZ)

AI-POWERED VEHICLE CAMERA AND SAFETY SYSTEM

VT3000-AI combines a next generation 4G vehicle camera with the power of artificial intelligence (AI). The advanced video telematics solution has been specially developed for commercial vehicle operations to help reduce fleet risk and prevent incidents before they happen. This means transport businesses can effectively improve safety by reducing the frequency and severity of collisions.

Awards:
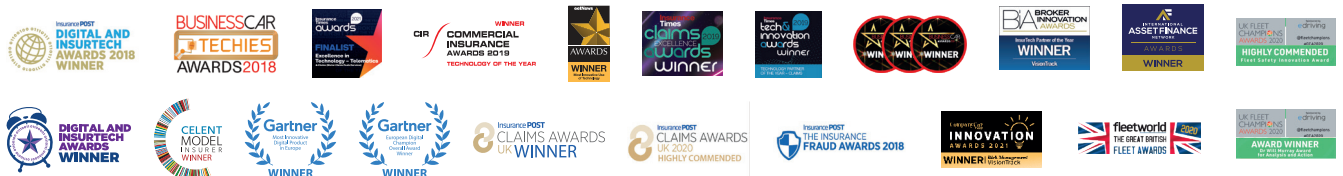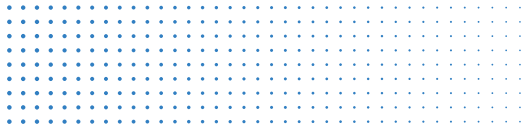

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VISIONTRACK

VT3000-AI

Using the latest AI technologies – including **Advanced Driver Assist System (ADAS)** and **Driver Status Monitoring (DSM)** – the **VT3000-AI** detects both hazards on the road and high-risk driver behaviours. The **ADAS** camera identifies lane departure, forward collisions and tailgating, while the **in-vehicle monitor** can recognise if a driver is tired or distracted by actions such as mobile phone use, smoking and eating. This means a driver can immediately be alerted to potential dangers, while an office-based fleet manager can monitor areas of concern both in real-time and historically.

The **VT3000-AI** can capture an additional view with an optional **digital (IP) internal or external camera** – cab, side, rear or cargo facing – for increased visibility and peace of mind. It also includes up to 512GB of internal storage capacity; optional panic alarm; and livestream and seamless playback functionality.

Key features:

Industry-leading, connected and HD-quality vehicle camera and telematics system

4G/LTE
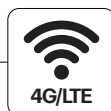
FNOL

Provides First Notification of Loss (FNOL) alerts

Provides HD images before, during and after an incident

FULL HD 1080P

100Hz

Accurate 100Hz G-shock sensor measures impact force and driving style

Monitor driver behaviour from anywhere using the VisionTrack IoT platform

1Hz

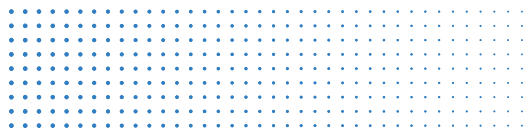Built-in GPS and GLONASS receiver with self-checking notifications

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VT3000-AI

Specifications:

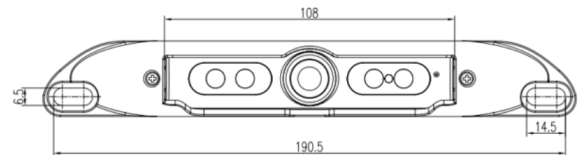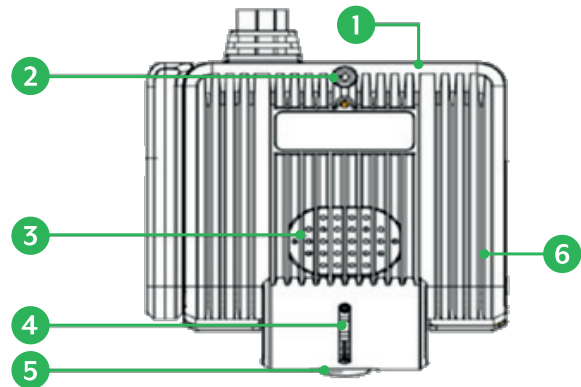|		
Network	3G/4G	Supported
Positioning	GPS	Supported
Sensor	Six-axis sensor	Supported
Working status indicator	The indicator light shows the four states of the device:	**Power on:** the device is powered, the red light is always on **Normal operation:** green light is always on **Fault alarm:** indicator red light flashes once a second **Sleep:** green light flashes 1 second and off 10 seconds
Storage	SD Card	2x SD card, supports SDXC64GB/128GB/256GB
Video & Audio	Video and Audio recording	3 channels for video and 1 channel for audio
	Resolution ratio and frame Rate of main code stream	**VT3000-AI:** 1080P@30fps **VT-DSM-AI:** 960P@30fps
	Total resource	1080P@30fps+960P@30fps+720P@30fps, 3-channel CIF@15fps
	Image setting	Brightness, colour, contrast, colour saturation
	Video coding	H.264
	Video compression rate	**VT3000-AI:** 500Kbps ~ 6Mbps
	Audio compression standard	ADPCM/G.711
	CBR/VBR	Supported
	Audio input	Optional (off by default)
Camera parameters	Sensor type (VT3000-AI)	1/2.9" 2M pixel CMOS Sensor
	Shutter speed	1/30sec - 1/100000sec
	Lens/FOV (field of view)	**VT670-IPC:** 1.98mm/150° (FOV); **VT3000:** 4mm/90° (FOV)
	Lens interface type	M12
	Wide dynamic range	D-WDR
	Backlight compensation	Supported
	Signal to noise ratio S/N	>48db
Interface	RS232	1 channel
	RS485	1 channel
	IO alarm input	4 channels
	IO alarm output	1 channel
	Power output	5VDC@500mA, 12VDC@500mA
Protocol	Network Protocol	HTTP, TCP, ARP, UDP, FTP, DHCP, DNS, IPV4, NTP
Power related	Power supply	9-36V
	Typical power consumption	6W (up to 12W with 12v power output option from GPIO cable)
General specification	Operating temperature	-30°C~+70°C
	Storage temperature	-40°C~+85°C
	Humidity	0% - 90%
Dimensions	LxHxW	90x39.5x100mm
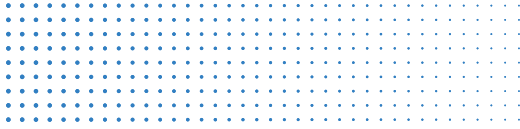
VT3000-AI

Dimensions:

89.90
108.10
33.8

VT670-IPC
Front View

108
190.5
6.5
14.5

90
100

39.5
90
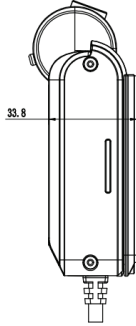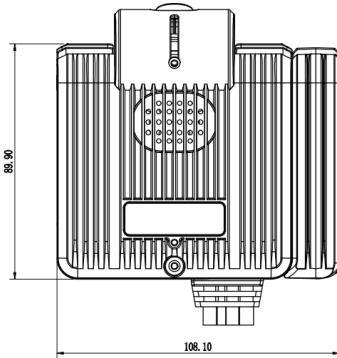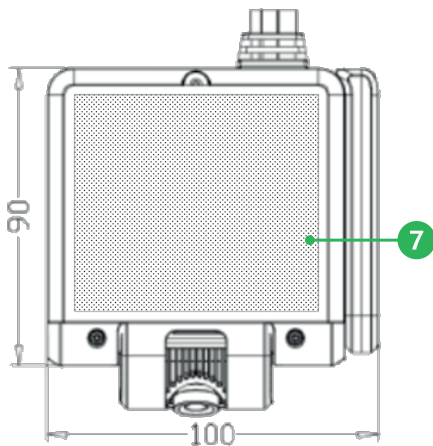
1. MIC
2. Cover fixing screw
3. Speaker
4. Camera adjustment screw
5. VT3000 lens (towards outside)
6. SIM/SD Card/USB cover screw
7. Adhesive pad

VT3000-AI

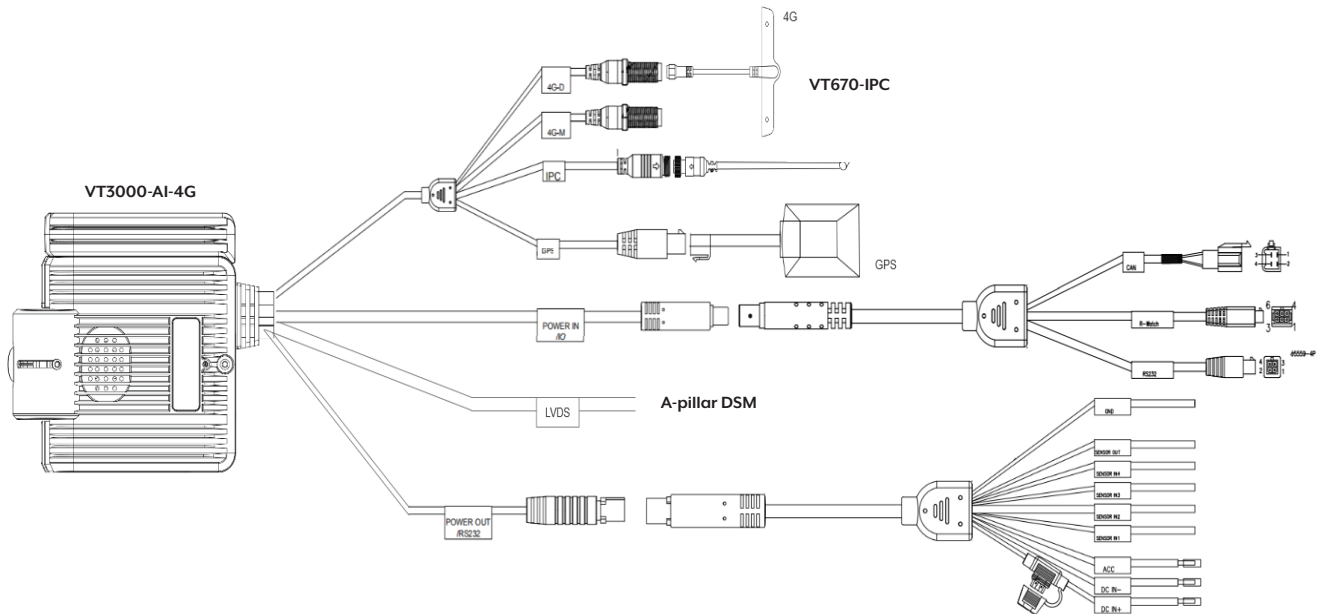## Wiring Diagram:

ADAS Features:

Lane Departure Warning

Forward Collision Warning

Headway Monitoring & Warning
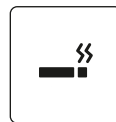
DSM Features:

No Driver Present

Driver Distraction Warning

Driver Fatigue Warning

Mobile Phone Usage Warning

Smoking Warning

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