

PRODUCT MANUAL INSTALLATION INSTRUCTIONS

# DRIVE FITGUE MONITOR SYSTEM



# AA-DSM03 (Driving State Monitor)

AA-DSM03 is a brand-new driver state monitor. It uses professional cameras to real-time monitor drivers' bad driving behaviors such as drowsing, calling, yawning, smoking, distraction. With serial port, it can also connect various types of vehicle terminals to upload drivers bad driving data to monitoring platform.

It can be used independently or as an accessory for driver status monitoring of taxi, bus, school bus and other vehicles.



## PRODUCT CHARACTERISTICS



Fatigue  
Warning



Yawning  
Warning



Smoking  
Warning



Calling  
Warning



Distraction  
Warning



Block Camera  
Warning



Driver  
Departure



Intelligent  
Calibration

## Product Specification

Item	Parameter	Specifications
System	Main chip	DSP
	Memory	128M DDR3
Camera	Pixel	AHD720P
	Angle	67°
	Focal length	3.49mm
	Infrared lamp	940nm
	Working distance	50-110cm
	Working conditions	Day and night
	Detection type	Glasses, Sunglasses
Interface	USB	USB 2.0
	Serial port	RS232
Electrical performance	Working voltage	9-36V
	Working current	≤500mA@12V °C °C

<b>Working environment</b>	<b>Working temperature</b>	-20 ~ +70 °C °C
	<b>Storage temperature</b>	-40 ~ +85
	<b>IP grade</b>	<b>IP54</b>
<b>Physical characteristics</b>	<b>Material</b>	<b>Metal</b>
	<b>Size</b>	<b>85*61*34mm</b>
	<b>Weight</b>	<b>246g</b>

## AA03(Active Safety Video Monitoring Terminal)

AA-03 is an intelligent monitoring terminal with DMS and ADAS active security functions. It only supports 2 channels video monitoring of DMS and ADAS. It adopts H. 264 video coding format, uses TF card for video storage, and real-time transmits video to the monitoring platform by 3G/4G wireless network.

It can be applied to active safety video monitoring of school bus, official car, engineering vehicle and other vehicles.



## Product Characteristics



Fatigue Warning



Yawning Warning



Distraction Warning



Smoking Warning



Calling Warning



Block Camera Warning



Lane Departure Warning



Forward Proximity Warning



Forward Collision Warning



Video Storage



Remote Video Monitoring



GPS Positioning



## Product Specification

<b>Item</b>	<b>Parameter</b>	<b>Specifications</b>
<b>System</b>	<b>Operating system</b>	<b>Android</b>
	<b>Main chip</b>	<b>Samsung series</b>
<b>Video</b>	<b>Video coding</b>	<b>H.264 main profile</b>
	<b>Video input</b>	<b>1 channel DSM AHD720P, 1 channel ADAS AHD720P</b>
	<b>Video output</b>	<b>1 channel HD HDMI output</b>
	<b>Dual stream</b>	<b>Main stream recording, Sub-streaming network transmission</b>
<b>Audio</b>	<b>Audio input and output</b>	<b>1 channel audio input, 1 channel audio output</b>
	<b>Audio compression</b>	<b>G.726/PCM/AMR</b>
<b>Recording</b>	<b>Recording mode</b>	<b>Power on/alarm event recording</b>
	<b>Playback mode</b>	<b>PC playback analysis software</b>
<b>Communication</b>	<b>3G/4G</b>	<b>EVDO/ WCDMA/FDD LTE/TDD LTE</b>

<b>Item</b>	<b>Parameter</b>	<b>Specifications</b>
<b>Positioning</b>	<b>GNSS</b>	Support GPS / BEIDOU / GLONASS
	<b>Positioning accuracy</b>	Less than 15m
<b>Storage medium</b>	TF card	Single card supports up to 128G
<b>Interface</b>	<b>Communication</b>	USB 2.0, RS232 x1, RS485x1, CAN x 1, WIFI 802.11a/b/g/n
	<b>Network interface</b>	RJ45 network port x1, 10M/100M adaptive network interface
	<b>I/O interface</b>	2 inputs, 2 outputs
<b>Communication</b>	3G/4G	EVDO/ WCDMA/FDD LTE/TDD LTE
<b>Electrical performance</b>	<b>Power input</b>	DC: +9V ~ +36V
	<b>Power output</b>	+12V@1A
	<b>Working current</b>	<1A°C °C

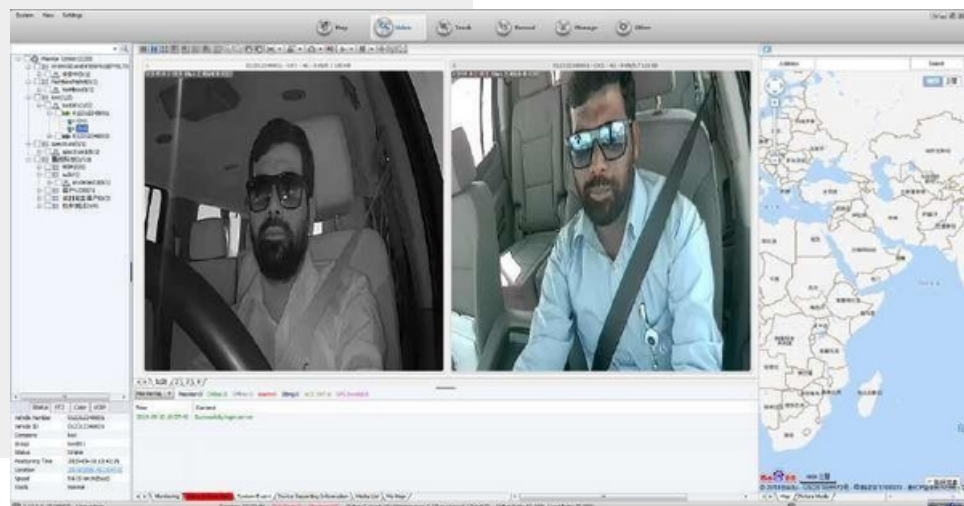
Item	Parameter	Specifications
Working environment	Operating temperature	-30°C ~ +70°C
	Storage temperature	-40 ~ +85
	IP grade	IP54
Physical characteristics	Size	119.5*97*40.4mm
	Weight	345g

## AI Active Safety Cloud Platform

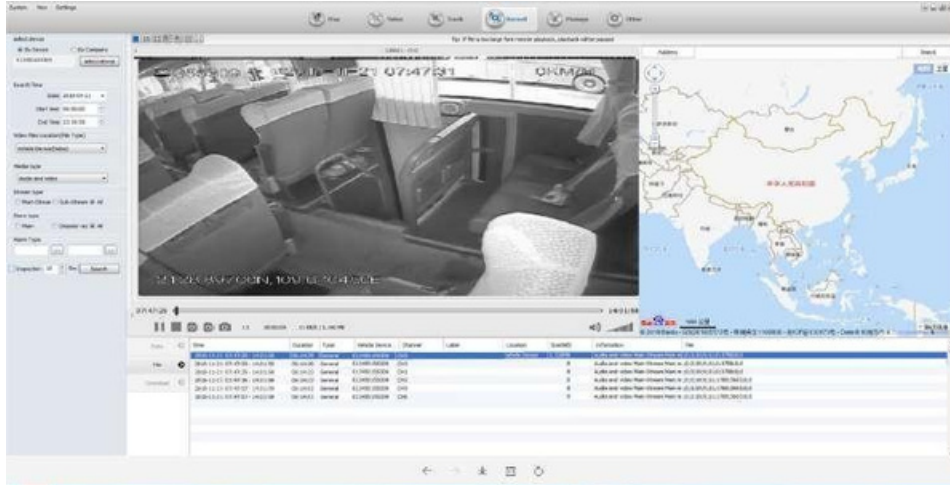
AI Active Safety Cloud Platform mainly includes two parts: vehicle video surveillance and active safety driving behavior analysis, including real-time video surveillance, video playback, active safety evidence query, abnormal behavior statistics and other functions. This platform can provide accident evidence, reduce accident incidence, clarify driver's accident responsibility and speed up accident handling. Combining with the platform, it can reduce the accident compensation rate and accelerate the settlement speed.

### Vehicle Video Surveillance

Real-time Video Surveillance



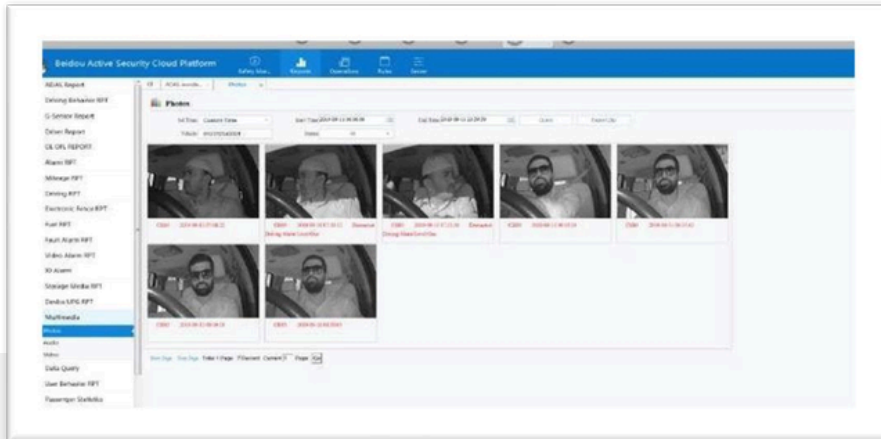
# History Video Playback



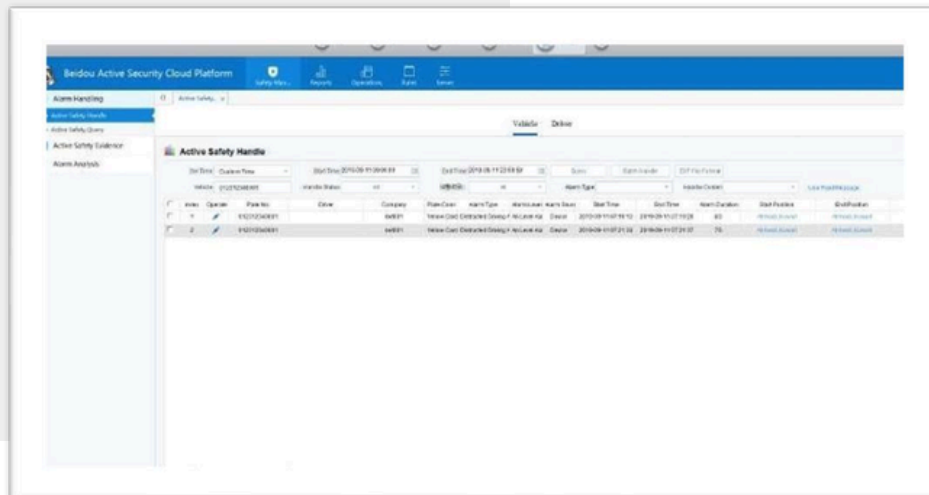
## Vehicles Active Safety Product and Solutions Supplier Based on AI Technology

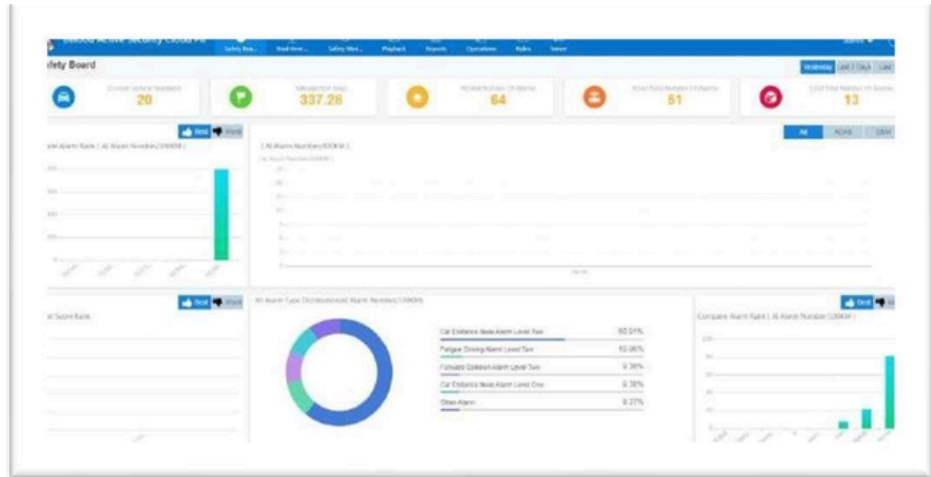
### Active Safety Driving Behavior Analysis

#### Active Safety Evidence



#### Active Safety Statistics



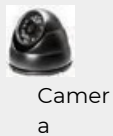


Vehicle Active Safety Solution

Mining Truck/ Logistics Truck



Safety Analysis



Graphic and charts statistical analysis can provide an enough basis for customers to manage company fleets and develop relevant standards.



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