Jimi IoT

JC170
DMS Camera

The JC170 is a compact DMS camera that can be used as a standalone device or in conjunction with other dashcams or trackers to meet your evolving business needs. By using up to 8 algorithms, it monitors driver attentiveness and warns the driver with audio alerts if the driver looks away from the steering wheel or smokes, uses a phone, yawns, or more. If your existing video device lacks a DMS function, the JC170 will be a good option for capturing your drivers' behavior and reminding them to stay vigilant behind the wheels. If you would like to track your vehicle as well, you can connect the JC170 to a Jimi dashcam or tracker to extend the functionality of the dashcam or tracker. Moreover, the driver monitoring camera is equipped with 2 infrared LEDs to ensure that images captured at night are clear as well as a video-out port to allow you to retrieve the saved video clips to an external storage device. This mini camera delivers a variety of features that are suitable for various monitoring scenarios, regardless of whether the vehicle is carrying hazardous materials, passengers, or packages.

Fatigue and Distracted Driving Detection
The DMS camera, with up to 8 algorithms embedded, is capable of detecting fatigue and distracted driving practices, such as phone use, yawning, and smoking, as well as the exception of the driver not in position.

Verified Compatibility
In addition to working in conjunction with Jimi dashcams and trackers to suit various application scenarios, The serial ports enable it to be used together with dashcams and trackers of other brands as well.

Flexible Installation
The camera comes with two install options, that is, on the windshield or dashboard via the double-sided tape. You can contact us for further information.

Superb Night Vision
A pair of IR-940 LEDs ensures that the JC170 can take clear images even at night without dazzling the driver.

Built-in DMS Algorithm
When working with another device, the DMS camera will not affect the performance of the another device while running the DMS algorithm to align the driver face.

Alert in Multiple Languages
When the JC170 detects any driver attentiveness events, it will warn the driver with audible alerts or programmable voice recordings in the preset language that is customizable to your specific needs.

| Passenger Vehicle | Hazmat Transport Vehicle | Regular Cargo Transport Vehicle |

Specification

CPU	Dual-core (ARM) + AI core (NPU)	
Memory	256MB+16MB (RAM+ROM)	
Operating System	RTOS	
Camera	1280x720, 25FPS	
Driver Behavior to Detect	Fatigue	Eyes closed Yawning
	Distraction	Head low Looking away Phone use Smoking Drinking
	Exception	Driver not in position
Working Modes	Power-on and -off	
Language for Voice Prompt	English, Chinese, and other custom languages	
LED Indication	Standby(red), Align (Green), Event (Blue)	
Fill-in Light	2*IR-940 LEDs	
Power	Input: DC 9–33V (suitable for 12V and 24V vehicles)	
	ESD protection	Contact: ±7KV Air: ±14KV
	Undervoltage protection	8V (device will shut down if the voltage is lower than 8V)
Speaker	1.5W	
Interface	RS232*1, Micro USB*1, RS485 (optional), TTL*1 (optional)	
Environment Requirement	Operating temperature: −20℃ to 70℃ Storage temperature: −30℃ to 85℃	
	Humidity: 95%RH (operating and storage)	
Dimensions	68*54*33mm	
Weight	200g	

JC170 works best with Jimi JC261 Series dashcam and GT06N/VL802 GPS tracker