



JC170

DMS AI Camera

The JC170 is a compact DMS camera that utilizes multiple visual AI algorithms. It can monitor driver attentiveness, warn the driver with audible alerts if signs of fatigue or distraction are detected, and output alert information. When connected to a management device, the data collected by the JC170 can be uploaded to the cloud-based platform for evidentiary purposes. The JC170 offers a variety of features to address different scenarios that require long hours behind the wheel, minimizing fatigue- and distraction-related accidents and lowering the risk of operating asset loss.



Logistics Service



Hazmat Trucking



Passenger Transport Service



School Bus Service



Driver Monitoring (DMS)

The DMS camera is able to detect fatigue and distracted driving, such as texting while driving, yawning, smoking, or fiddling with the stereo, as well as the exception of the driver not being in position.



Highly-Integrated Design

The camera has a small form factor with a built-in speaker for audible alerts and can be mounted to the windshield or on the dashboard with the supplied double-sided tape.



Infrared Night Vision

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



Verified Compatibility

In addition to working in conjunction with Jimi IoT's 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.

Specifications

Cellular

Technology	N/A
Frequency	N/A

GNSS

Positioning system	N/A
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Camera

Front camera (main)	1280x720/15FPS/F2.4/Monochrome/56° (HFOV)
Video format	.mp4

Power

Input voltage	DC 9–30V
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Operating environment

Operating temperature	-20°C to +70°C
Storage temperature	-30°C to +85°C

Physical specification

Dimensions	68,0 x 55,0 x 33,0mm
Weight	216g

Interface

LED indication	Red (Power), Green (Monitoring), Blue (Align)
SIM	N/A
External memory	TF card (up to 128GB)
USB	Micro-USB
WiFi	N/A
Bluetooth	N/A
Microphone	N/A
Speaker	Support
Digital I/Os	N/A
Analog I/Os	N/A
Serial ports	1*TTL
Sensor	N/A

Feature

ADAS	N/A
DMS	Phone use, Smoking, Distraction, Yawning, Eyes closed, No face detected
Configuration support	Memory card, USB cable
Firmware update	USB cable
Certification	CE, FCC, RoHS

Standard Packing

JC170 unit	1
Screws	2
Hex screwdriver	1
Cover	1

Optional Configuration*

Power cable	Required when working with GT06N or VL802
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JC261 Dual-channel AI dashCam

Compatibility	GT06N Vehicle GNSS tracker
	VL802 LTE vehicle terminal

GPS antenna	Required when GNSS function is a must, and the unit is used on its own
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*Optional Configuration required to be customized or purchased separately.