

# New Professional 3G/4G Dual Cam Dash-cam for Fleet Telematics



<b>H.265 HEVC</b> High Efficiency Video Coding	<b>Full HD 1080</b>	<b>WIDE</b> 130 Degrees Wide Angle	Built-in + Extension	Support max 2x512GB
<b>4G LTE</b> Micro Sim 15*12mm	<b>AP/STA</b> <b>WI-FI</b>	High Performance Built-in GPS Antenna	<b>G Sensor Alarm</b> Harsh Braking Harsh Acceleration Harsh Cornering	Sleeping Mode & I/O Trigger

**Front Camera**  
Monitoring the road ahead, allowing you to see what the driver sees

**Interior Camera**  
Monitoring the behaviour of the driver, and the passengers

**Front Camera**  
Monitoring the road ahead, allowing you to see what the driver sees

**Interior Camera**  
Monitoring the behaviour of the driver, and the passengers

**Rear Camera**  
Monitoring the passengers from the rear

**Front Camera**  
Monitoring the road ahead, allowing you to see what the driver sees

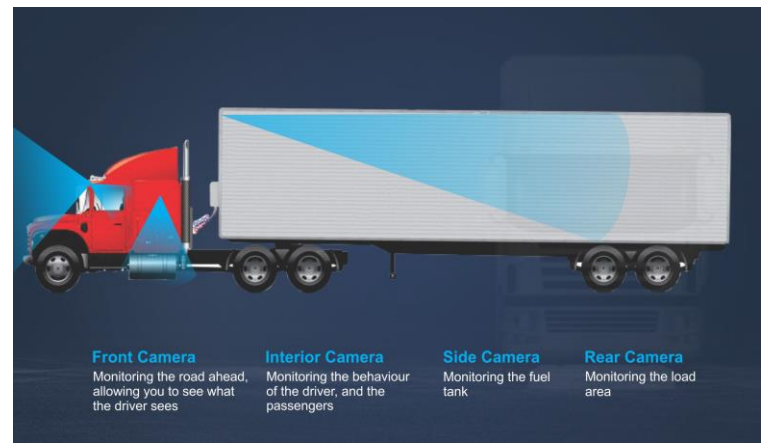
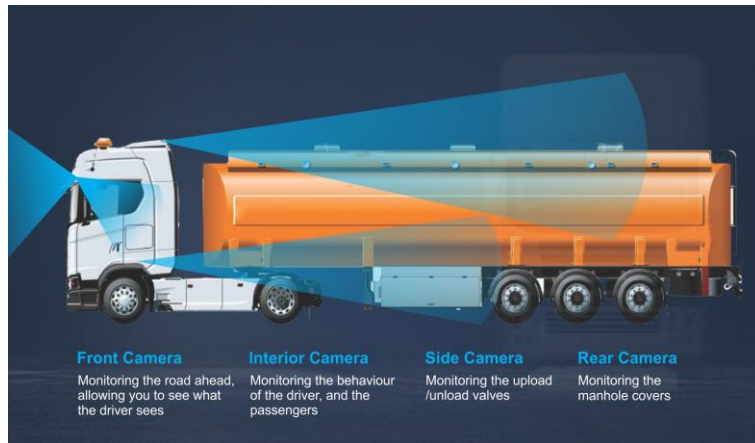
**Interior Camera**  
Monitoring the behaviour of the driver, and the passengers

**Rear Camera**  
Monitoring the load area

**Front Camera**  
Monitoring the road ahead, allowing you to see what the driver sees

**Interior Camera**  
Monitoring the behaviour of the driver, and the passengers

**Rear Camera**  
Monitoring the load area



## 1. Features & Models

Features	Standard Version	Premium Version
	DCAM005	DCAM006
z H.265 High Efficient Video Recording & Compression	✓	✓
z 1080P Full HD 2* Embedded Wide Angle Camera (support max 4*CH)	✓	✓
z 4G Remote Live Streaming/Downloading (Compatible with 3G/5G)	✓	✓
z Alarm Video Upload to Cloud Server Storage Automatically	✓	✓
z Sleeping Mode for 7*24 hours Surveillance	✓	✓
z Driver Face Recognition & Local Identification (Update via FTP)	✓	✓
z Built-in Independent 4G LTE, Wi-Fi Antenna & Modem	✓	✓
z Built-in High Performance GPS/GLONASS Antenna & Modem	✓	✓
z Configurable GEO-fence zone in Dashcam with Alarm Output Control	✓	✓
z Built-in Microphone & Speaker for Two Way Communication	✓	✓
z Wi-Fi AP/Client mode for Configuration & Automatic Upload	✓	✓
z SOS Panic Button Alarm (Embedded)	✓	✓
z 2* I/O Alarm Input	✓	✓
z 1* I/O Alarm Output for Immobilization/Cut off fuel	✓	✓
z Harsh Braking/Acceleration/Cornering/Collision Alarm (Configurable G-value, Automatic Calibration with TFT monitor)	✓	✓
z Alarm Pre-Recording, Post-Recording	✓	✓
z Built-in Super Capacitor UPS Data Protection (4 seconds after Shut Down)	✓	✓
z Dual Micro SD Card Recording (support max 2*512GB)	✓	✓
z SD& Sim Card Tamper-proof Lock	✓	✓
z 1* CVBS Video Output	✓	✓
z Support CMSV6, Gurtam Wialon, Curbssoft, GPS-server, GPSwox, Key Telematics	✓	✓
RS232 Interface for Ultrasonic Fuel Level Sensor/RFID/Temperature Sensor	X	✓
1080P 12V Camera 3 Input Interface	X	✓
1080P 12V Camera 4 Input Interface	X	✓



## 2. Specification

Item		Description			
Model		DCAM005: Standard Version DCAM006: Premium Version			
OS		Linux3.18			
Operating		IOS/Android APP, PC Client, WEB/Gurtam Wialon			
CPU		HI3520D V400			
Processor core		ARM Cortex A7 dual core @max.1.3GHz			
RAM		DDR3 512MB			
Video and Preview	Video Input	z DCAM005: 2Channel 1080P AHD built-in z DCAM006: 2Channel 1080P AHD built-in, External 2CH 1080P AHD			
	Dual Camera Lens	Front Road View: 130 Degrees, 2.1mm Lens, 30fps. In Cab View: 120 Degrees, 2.5mm Lens, 30fps			
	Video Output	1x CVBS (DCAM006 Only)			
	Face Identification	Supports face recognition comparison function (Option, Not supported by default)			
	OSD	Time and date, device ID and GPS, Alarm, etc.			
	Video Compression Format	H.265/H.264			
	Live Streaming	2Channel at same time, Max 4Chnnall at same time			
	Image quality	Level 1 to 3 Configurable			
	Preview function	IOS/Android APP/PC Client/WEB Brower preview (Flash Player or HTML5)			
	Resolution	AHD: 1080P 60fps @2CH, 120fps @4CH			
Audio	Audio Input, Output	1 built-in MIC, 1 External Microphone (intercom, recording) 1 built-in speaker (intercom, voice prompt)			
	Compression Format	G.711A, G.726			
Recording Video mode	Storage Medium	2x Micro SD Card Slot, max 2x512GB Example for Reference			
		Resolution	Storage	Rates	Recording Hours
		1080P*2CH	512GB	4MB/s	146 hours
	720P*2CH	512GB	3MB/s	197 hours	
	Video mode	z Support Dual SD card loop recording (the earliest recording is deleted). z Support Mirror Recording z Alarm Recording: Pre/Post-recording, Upload to Server Automatically z ACC Recording, Manual Recording, Timing Recording z ACC Delay Recording to enter Sleeping Mode			
	History Footage	z Support SD card history footage review/download by PC Client, Android APP, Gurtam Wialon z Support Cloud Server saving Alarm/Normal videos footage			
File format	H.265/FAT32, Encrypted, Compatible with H.264/FAT32				
Video playback	Android, PC Client, WEB, Gurtam Wialon				
Network	4G/5G	z Built-in 4G Module & 4G Antenna, compatible with 3G/4G/5G			
		z Selectable Quectel EC25-EC/-AU/-AF/-J/-EU... 4G Modules			

		<ul style="list-style-type: none"> <li>z Support EVDO/TD-SCDMA/WCDMA/TDD-LTE/FDD-LTE ect.</li> </ul>
	WiFi	<ul style="list-style-type: none"> <li>z Built-in Wi-Fi Module &amp; Antenna, 802.11b/g/n,2.4G/5.8G optional.</li> <li>z Configurable WiFi SSID and Password</li> <li>z Switchable WiFi AP &amp; Client Mode</li> <li>z Support WiFi Uploading automatically when in Wi-Fi Hot Spot</li> </ul>
	GPS/GNSS	<ul style="list-style-type: none"> <li>z Built-in High Performance and Accuracy GPS Module &amp;Antenna</li> <li>z Modem: Ublox</li> <li>z Position System: GPS,GLONASS,BeiDou, Galileo</li> <li>z Frequency: 1575.42 Mhz (GPS,BeiDou,Galileo), 1602 Mhz(Glonass)</li> <li>z Cold Start: &lt;30s. Hot Start: 1~3s</li> <li>z Configurable Rectangle Zone in Dashcam with Alarm Output Control</li> </ul>
Power Supply and Power Consumption	Ignition/ACC	≤6V,ACC OFF. ≥7.5V,ACC ON.
	Input Voltage	DC:+8V ~ +36V. If the voltage is lower than 8V or higher than 36V for a long time, the device will automatically shut down and enter the protection mode.
	Output Voltage	5V Camera x 2. Or 12V Power Adapter for 2* 12V Camera
	Built-in UPS (Super Capacitor)	<ul style="list-style-type: none"> <li>z 2x7F*2.7V Super Capacitor.</li> <li>z Charging Full: 2 minutes</li> <li>z Sudden Power Off Data Recording Maintenance: 4S</li> </ul>
	Power Consumption	<ul style="list-style-type: none"> <li>z Active Mode: 7W, 0.6A @12V DC</li> <li>z Sleeping Mode: 0.2W. 0.02A @ 12V DC</li> </ul>
Interfaces	Serial Port	1x RS232, Compatible with: RFID Reader, Ultrasonic Fuel Level Sensor, Temperature Sensor
	Digital Inputs	2x IO High/Low Input , Threshold: 4V DC
	Digital Output	1x IO Output for Immobilizer /Cut off Fuel
	SOS Panic Button	1x SOS Panic Button Embedded in Dashcam
Alarm	Alarm Recording	Pre-Recording: Post-Recording:
	Digital I/O Alarm	<ul style="list-style-type: none"> <li>z ACC/Ignition on/off Alarm</li> <li>z 2x I/O Alarms Input for Door Open/Close, Left/Right Turn, Braking</li> </ul>
	SOS Alarm	1x SOS Emergency Alarm
	Harsh Alarm	Harsh Braking, Acceleration, Cornering, Collision Alarm
	Fuel Theft Alarm	<ul style="list-style-type: none"> <li>z Must work with Ultrasonic Fuel Sensor UL212 to realize</li> <li>z Fuel Theft Alarm → Trigger Dashcam Power On from Sleeping Mode → Recording Alarm Video and Upload to Server Automatically</li> </ul>
Platform	Video Streaming +GPS Tracking	CMSV6, Gurtam Wialon, CurbSoft
	GPS Tracking	CMSV6, Gurtam Wialon, Curbsoft GPS-server, GPSwox, Fueltelematics.com, Key Telematics
Operating Environment	Temperature	preheating: -20°C ~ +70°C
	Humidity	8% to 90%
Dimensions		100 (L)x 120.8(W) x 30(H) mm.
Weight		Net: 0.6KG G.W.: 1KG