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DCRCAM1 M2M In Motion Dash Cam Fleet Tracker Installation Guide

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Thank you for purchasing M2M in Motion.

DCRCAM1

M2M IN MOTION'S DCRCAM1 comprehensive video telematics camera mounts directly to the vehicle's dash or windshield with a Plug-and-Play installation directly into the vehicle OBD-II port, the device is always connected to relay vehicle and driver information back to you through the M2M in Motion web and mobile app.

HIGHLIGHTS

- Two-camera video recordings (interior and forward-facing)
- Possible impact or incident notification
- The tamper and camera disconnected an alert
- Geofencing enter or exiting notification
- Always on design with battery rundown protection
- Optional wifi hot spot
- Onscreen vehicle information

FEATURES

- Trip history with video replay
- Parking motion sensing and recording in Guard Mode
- Web and mobile applications supported
- Unauthorized tamper and power disconnect notification
- Audio Streaming (on/off) enables audio from the camera-embedded microphones when streaming live or historical video footage in the Web App.
- Audible Alerts, alerting the driver whenever a notable event occurs.
- On-screen messaging from the Web portal to dispatch and send real-time messages to the Camera screen
- 4G/LTE data transmission for instant notification of events
- Plug and play OBD II installation with ECM data for J1979 (light duty CAN) and soon, *J1939 *feature coming soon
- The mobile hot spot is optional and must be requested. Users may incur additional data

- Charges for a monthly usage of more than 500MB per month per camera. 1GB of data is $10 per month per camera.

WHAT'S INCLUDED

- DCRCAM1 Camera
- FM activation support card
- Adhesive mount
- Adhesive cable clips
- OBDII cable
- Micro SD card (256 GB)
- Allen key
- Alcohol cleaning wipe

OPTIONAL INSTALLATION ACCESSORY

- AHRHW (*required for hardwire installations)

SIM/SD CARD INFORMATION

- The SIM cards are pre-installed and activated.
- The 256 GB SD cards are shipped separately in the camera box you will need to insert the provided SD card into DCRCCAM1.
- The SD card slot is located on the bottom right-hand side of DCRCAM1.

1. After inserting the SD & SIM card into the camera's small slot as seen below
2. Use the Allen Key and two small screws provided to add the security cover plate

INSTALLATION DETAILS

- Select the location to mount the camera, is it recommended that the camera be mounted in the center of the windshield behind the rearview mirror with the camera lens facing forward or in the center of the vehicles' dashboard.
- Clean the pre-selected mounting location with the Alcohol prep wipe provided.
- Remove the 3M camera mounting adhesive backing.

INSTALLATION PROCEDURE

(PLUG AND PLAY OBD II CABLE)

STEP 1: Mount the camera to the windshield or dashboard by firmly pressing the camera in place for 30 seconds. (Ensure the camera lens is facing forward with an unobstructed view of the road)

STEP 2: To adjust the camera angle use the provided Allen key and adjust the mounting bracket until you get the desired angle and then tighten the mount in place.

STEP 3: Once the camera's angle is set, plug in the cameras power cable and secure the cable in place using the two phillips screws provided, route the power wire up towards the headliner or front windshield seem and then route the cable left and down the driver's A-pillar into the drivers' dashboard area near the factory OBD II port and plug the DCRCAM1 connector into the OBD II port.

STEP 4: Secure the excess power cable extension into the headliner or under the dash area with the mounting adhesive tabs included with the camera.

STEP 5: Ensure the plastic protective film is removed from front facing and interiror facing lenses.

HARDWIRED INSTALLATION PROCEDURE

FOR ACCESSORY CABLE PART # AHRHW

Note: IF a non-OBD II cable is used the camera will default to power on when the camera senses movement and

power off when the vehicle is parked and will not provide any DTC, FUEL, OR VEHICLE NETWORK INFORMATION.

Using optional cable Part # AHRHW

- **Red:** Connect to 12-volt constant power or directly to the vehicle's battery
- **Black:** connect to the vehicle's chassis ground using a self-tapping grounding screw and ground ring terminal or directly to the vehicle battery.

Confirming the final installation

1. Once the camera is connected, place the vehicle outside with an unobstructed view of the sky and start the vehicle and let it run for 5 minutes allowing time for the DCRCCAM1 to communicate with the vehicle's network.
2. Login into the M2M account and confirm the vehicle is tracking and video is streaming.

Note: if you do not have an account already set up note the camera serial number that is located on the product box, activation card, or on the bottom of the camera, you will need this information when requesting an account set up at **m2minmotion.com/getstarted**

Configuring your New Dash Camera

Many custom configurations can be made to the DCRCAM1 camera via the M2M in Motion web application or mobile APP.

USER Configurable options

- **Audio:** Enable/disable audio recording and streaming
- **Cameras:** Enable/disable the road- or cabin-facing cameras
- **Driver Alerts:** Enable/disable in-vehicle alerts (i.e., Speeding)
- **Gestures:** Enable/disable triggering short video recording with gesture

Audio Settings

To enable the audio streaming, the account administrator must send in a request to our support team to enable the audio streaming by device serial number or request an account in it's entirety to have audio streaming enabled. This includes Event, Continuous, and Gesture videos.

Audio Streaming

Audio Streaming is set to 'Disabled' by default. Enable the Audio Streaming setting to hear the audio from Raven's microphones when you are streaming live or from historical video footage.

Note: Two-way audio is not supported.

Driver Alert Settings

Driver Alerts sound a chime, alerting the driver whenever a notable event occurs. The most common Audible event is the speeding event. Audible Alerts are 'Enabled' by default. To disable Audible Alerts, from the 'Driver Alerts' section, use the toggle button and disable 'Audible chimes for events'.
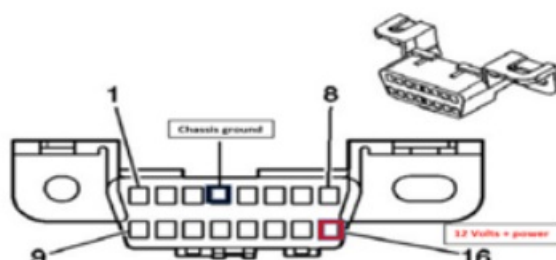
Camera view configuration

Enable/disable either Road facing or Interior cameras. In some cases, you may want to temporarily or permanently disable either the road or cabin-facing camera depending on local laws or preferences. The default setting is both cameras are enabled.

Contact your M2M Sales or Tech Support for the other configurations.

TROUBLESHOOTING

DCRCAM1 won't power on

Plug and play installation: Check the vehicle OBD II port for 12 Volt + power on pin 16 and confirm ground in Pin 5 , the the port does not have power refer to the vehicle manaul and check the DLC/Aux fuse and replace fuse if it is blown.

Hardwired installation: using the AHRHW Accessory cable, confirm the connections-12 Volts+ on the Red wire and chassis ground on the Black wireand confirm the 3 AMP fuse is good.

Can't access the DCRCAM1 account

All cameras require an account acceptance agreement and payment method, if you have not set up your account or did not receive a welcome email from M2M in motion – Please locate the serial number noted on the Invoice, product box, or base of the camera and web search **m2minmotion.com/getstarted** or contact support at 727-732-2727.

The display shows no SD Card

The DCRCAM1 is shipped with a specific class 256 MB sd card that needs to be inserted into the camera, if the card is inserted but not showing-Power off the camera by turning off the vehicle's ignition or pressing the power reset button located on the base of the camera and allow the camera to reboot.

Camera display information is blank

All passenger vehicles built in 2008 + that have a working CANBUS communication port (OBD II) have the ability for the DCRCAM1 to read vehicle information like DTC codes, Feul, speed, RPM. If the camera display is black the may be an issue with your vehicle please contact support to validate the installation and help resolve it. If you installed the camera using the AHRHW accessory hardwired cable there will be no vehicle Information and the screen will display the forward live video feed and turn on and off when the vehicle is in motion. Note Power off is delayed until motion is not detected.

TECHNICAL SPECIFICATIONS

Road Facing Camera	140-degree field of view
	Sony STARVIS CMOS sensor
	1080p recorded video
	720p live-streaming video
Cabin Facing Camera	130-degree field of view
	Omni Vision CMOS sensor
	720p recorded video
	720p live streaming video
	High-quality infrared night vision sensor
	AT commands, UDP
	PTCRB, FCC
Audio	High-fidelity speaker
	Dual noise-canceling microphones
Sensors	Proximity
	GPS
	Accelerometer
	Gyroscope
	Air pressure
	Magnetometer (Compass)
	Temperature

Connectivity	LTE
	Wi-Fi
	Bluetooth, BLE
	OBD-II
	CAN Bus
	USB (Micro-B)
Power	Powered by the OBD-II port with intelligent power management
	Backup battery if DCRCAM1 is unplugged
Size:	Height: 2.0″
	Width: 1.1″
	Length: 7.75″
	Weight: 0.37lbs
Storage	16GB Internal storage
	MicroSD card slot up to 256GB
Security	Encrypted cloud storage
	Secure web transfer (TLS 1.2)far)
Processor	Qualcomm Snapdragon 650 64-bit hexa-core CPU

Thank for your purchase of the M2M in Motion product.

If you have any questions or concerns in regards to products or features, Please contact our support team at **m2minmotion.com/getstarted** or contact support at 727-732-2727

- **email: support@aampglobal.com**
- **tel:** 727-732-2727
- **CONTACT US: m2mfleetmotion.com**

Documents / Resources

DCRCAM1 M2M In Motion Dash Cam Fleet Tracker [pdf] Installation Guide
M2M In Motion Dash Cam Fleet Tracker, M2M In Motion, M2M In Motion Dash Cam Fleet Tracker, Dash Cam, Fleet Tracker

References

- 📡 **M2M In Motion Telematic Platform**
- ⚓ **Activate - M2M**
- ⚓ **Activate - M2M**

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