

# MATRACK

## JC450 DASHCAM

The JC450 Series is an LTE dashcam system designed specifically for use in commercial vehicles. This feature-rich camera system is capable of recording 4/5 separate channels simultaneously, and provides valuable ADAS and DMS algorithms that actively assist drivers, increase awareness and safety on the road.

**MULTI-CHANNEL 4G DASHCAM:** A variety of applications across multiple industries including transportation, logistics, and fleet management.

**KEY BENEFITS:** Real-time alerts, cloud video storage, peripheral sensor support, and enhanced safety features.



## MATRACK JC450 DASHCAM

### MULTI-CHANNEL 4G DASHCAM SYSTEM

#### Key Specifications

|                  |                                |
|------------------|--------------------------------|
| Network          | 4G LTE                         |
| WiFi             | 2.4GHz                         |
| CPU              | Hexa-core                      |
| Memory           | 2GB+8GB                        |
| Operating System | Android 7.1                    |
| Storage          | Dual-Micro SD (max.256GB each) |
| Positioning      | GPS and BDS                    |
| Bluetooth        | BT-40                          |

The JC450 Series provides video clips triggered by key events or the in-cab SOS button that are saved to the cloud for later review or evidentiary support. Other features of this system, including support for peripheral sensors, the ability to connect via WiFi, and expanded on-device storage make the JC450 Series a perfect solution for a variety of applications across multiple industries.

With up to 5 cameras that can monitor various angles providing a fuller view of the vehicle and its surroundings, the JC450 delivers comprehensive visual coverage for maximum safety and security.

The system's Visual AI Algorithms with ADAS and DMS capabilities provide tools to help improve driver safety and compliance, while the dual micro SD slots provide a maximum of 512 GB on-device storage, allowing for up-to-7-day recording with all 5 cameras simultaneously.



**VANS**



**TRUCKS**



**HEAVY EQUIPMENTS**



**E-HAILING VEHICLES**

## FEATURES



### 5-Ch Simultaneous Recording

Up to 5 cameras monitor various angles providing a fuller view of the vehicle and its surroundings.



### Visual Ai Algorithms

ADAS and DMS capabilities provide tools to help improve driver safety and compliance.



### Event Alert

Upload video clips or still images triggered by customizable key events such as unexpected vibration, ACC on/off SOS button activation, etc. on demand.



### Remote Video Surveillance

Strong 4G LTE connectivity enables real-time monitoring of the vehicles cameras via online platform.



### Extension Interface

RS232 and relay ports provide support for optional accessories such as fuel and temperature sensors.



### Panic Button

Drivers can call dispatch or summon emergency services instantly with a discreetly installed, in-cab SOS button.



### Various Peripheral Cameras

In addition to the road- and driver-facing cameras there are several different options for the 3rd, 4th, and 5th cameras meaning there is a setup to suit any use case.



### Expanded Storage

Dual micro SD slots provide a maximum of 512 GB on-device storage, allowing for up-to-7-day 5 cameras recording simultaneously.

## SPECIFICATIONS

### NETWORK

|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>STANDARD</b> | 4G LTE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>BAND</b>     | <p><b>JC450 Series-AFX</b> (for North American Countries and Regions)<br/>           FDD-LTE: B2/B4/B5/B12/B13/B14/B66<br/>           WCDMA: B2/B4/B5</p> <p><b>JC450 Series-EUX</b> (for European and Asian Countries and Regions)<br/>           EUX FDD-LTE: B1/B3/B7/B8/B20/B28A WCDMA: B1/B8<br/>           TDD-LTE: B38/B40/B41 GSM: B3/B8</p> <p><b>JC450 Series-AUX</b> (for Latin American Countries and Regions)<br/>           FDD-LTE: B1/B2/B3/B4/B5/B7/B8/B28 WCDMA: B1/B2/B4/B5/B8<br/>           TDD-LTE: B40 GSM: B2/B3/B5/B8</p> |
| <b>WIFI</b>     | 2.4GHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

### CONFIGURATION

|                         |             |                  |        |
|-------------------------|-------------|------------------|--------|
| <b>CPU</b>              | Hexa-core   | <b>G-SENSOR</b>  | 3-axis |
| <b>MEMORY</b>           | 2GB+8GB     | <b>MIC</b>       | ✓      |
| <b>OPERATING SYSTEM</b> | Android 7.1 | <b>SPEAKER</b>   | ✓      |
| <b>POSITIONING</b>      | GPS and BDS | <b>BLUETOOTH</b> | BT-40  |

### CAMERA

|                                 |                                                                                                                                                                            |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>FRONT CAMERA (MAIN)</b>      | Monitor the road ahead 720P or 1080P low-light WDR (optional)                                                                                                              |
| <b>REMOTE CAMERA (OPTIONAL)</b> | Inward-facing camera 720P, IR night vision<br>Remote cabin-facing camera 720P, IR night vision<br>Waterproof camera 720P IP67<br>Driver-facing camera 720P IR night vision |
| <b>VIDEO CODING</b>             | H.264                                                                                                                                                                      |
| <b>VIDEO FORMAT</b>             | TS/MP4                                                                                                                                                                     |

## SPECIFICATIONS

### OTHERS

|                                 |                                                                            |
|---------------------------------|----------------------------------------------------------------------------|
| EXPANDABLE MEMORY               | Dual-Micro SD supported (max. 256GB for each)                              |
| SIM CARD                        | Nano SIM                                                                   |
| EXTENSION INTERFACES (OPTIONAL) | SOS*2, Relay*1, RS232*2, turn signal detection*2, and CVBS-OUT*1           |
| LED INDICATION                  | Power (Red), GNSS (Green), Cellular (Blue)                                 |
| OPERATING VOLTAGE               | DC 9-33V (suitable for 12V and 24V vehicles)                               |
| ENVIRONMENT REQUIREMENT         | Operating temperature: -20°C to 70°C<br>Storage temperature: -30°C to 85°C |

## Ready to enhance your fleet safety?

Get started today with our advanced JC450 dashcam system designed specifically for commercial vehicles.

**Request a Quote: 855-658-7225**