



**Akteena LumosX AI Dashcam
A9-2299D**

User Manual

Product Overview

Akteena LumosX is the one-stop IoT AI dashcam with integrated vehicle data designed to provide safe driving experiences that champion driver exoneration, elevate safety, and enhance fleet operational efficiency.



Equipped with dual lenses, the dashcam captures both outward and inward perspectives. It can readily accommodate additional peripheral cameras. Harnessing the capabilities of computer-vision algorithms, it detects safety-critical incidents within the cabin and beyond.

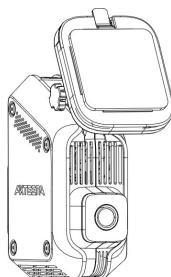
Akteena LumosX includes an onboard processor that gathers vehicle data through the OBD-II, J1708, and J1939 CAN protocols. This amalgamation of data includes GPS coordinates, and accelerometer data using a built-in 6-axis inertial measurement unit relaying high-frequency signals of up to 400Hz.

When coupled with other sensors, Akteena LumosX becomes proactive, delivering in-cabin alerts through its integrated speaker, thus fostering behavior modification and on-the-fly coaching.

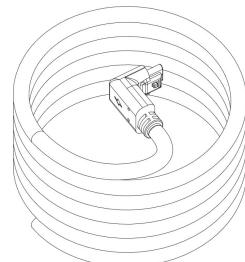
Installation

What's in the box

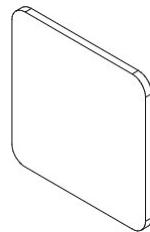
- LumosX Dashcam
- Vehicle Power Cable
- Mounting Tape
- Alcohol Wipes
- SwapKey



LumosX Dashcam



Vehicle Power Cable



Mounting Tape



Alcohol Wipes



SwapKey

Installation

Pre-Requisites

- Ensure the vehicle is parked and the ignition is turned off
- Locate the OBD-II port on your vehicle
- Pick an install location on the windshield of your vehicle typically centered in the cabin where it does not impact driving visibility

Dashcam Install

Step 1: Clean the install location using the alcohol wipes and let it dry

Step 2: Remove the protective film from the mount on the dashcam

Step 3: Install the dashcam on the chosen location while firmly pushing it toward the windshield

Install Tip: Use the thumb screw on the mount to loosen or tighten the dashcam on the mount such that both the lenses are aligned horizontally.

Step 4: With the device installed, plug the USB-C connector of the power cable into the power port of the camera.

Step 5: Run the cable toward the OBD-II port of the vehicle in a way using the cable tucks and zip ties. Ensure that the cable does not obstruct any driving experience.

Step 6: Install the OBD-II connector of the power cable to the OBD-II port of the vehicle.

Operating Instructions

- Start the ignition of the vehicle
- If everything is installed correctly, the dashcam will begin to boot up
- The LED on the cabin side of the dashcam would turn solid green for a few seconds indicating the system is operational without any issues

Note: The LED pattern may vary depending on the initial configuration or settings assigned to the dashcam.

FCC

Certification

Contents of this document are subject to revision without prior notice. Akteena reserves the right to change the contents of this manual at any time without any prior notice.

Disclaimer

Akteena does not warrant that the hardware or software provided with this user manual will work consistently in all environments and surroundings. Akteena makes no guarantees or promises with respect to the quality, performance, or fitness either implicitly or explicitly. However, Akteena confirms that the product has been tested thoroughly. Akteena has tried its best to document this manual in all terms, although, for any omissions or errors, Akteena does not take any claims or responsibility. If you find any discrepancies or errors in this manual, Akteena welcomes every suggestion and feedback.

Compliance

FCC ID: 2BL79-A922

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. this device must accept any interference received, including interference that may cause undesired operation.

Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Information

This device meets the government's requirements for exposure to radio waves. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government. This device complies with FCC radiation exposure limits set forth for an uncontrolled environment.

RF Exposure Warning: To maintain compliance with FCC RF exposure requirements, this device must be installed to provide a separation distance of at least 20 cm from all persons.

FCC Note

Caution: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

ISED Notice

This device complies with Industry Canada license-exempt RSS standard(s).

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en

ISED RF Exposure Statement:

This device complies with ISED RSS-102 RF exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the IC RSS-102 RF exposure limits, human proximity to the antenna shall not be less than 20 cm during normal operation.

Cet appareil est conforme aux limites d'exposition aux rayonnements de la CNR-102 définies pour un environnement non contrôlé. Afin d'éviter la possibilité de dépasser les limites d'exposition aux fréquences radio de la CNR-102, la proximité humaine à l'antenne ne doit pas être inférieure à 20 cm (8 pouces) pendant le fonctionnement normal.

Akteena, Inc.
www.akteena.com
41369, Vincenti Ct, Novi, MI 48375, USA
+1 248-236-5373
support@akteena.com