Akteena Peripheral Camera
A9-2800P

User Manual

Product Overview

The Akteena Peripheral Camera extends visibility delivering a comprehensive 360-degree view of the vehicle's surroundings. Designed to integrate seamlessly with Akteena LumosX, it enhances situational awareness by streaming real-time video to the telematics platform, enabling fleet managers to monitor vehicle perimeters remotely.

Equipped with computer-vision capabilities, the peripheral camera detects critical objects such as vehicles, cyclists, and pedestrians. When paired with the main dashcam, it actively alerts the driver, helping them react to unseen hazards and prevent collisions. This proactive alerting system empowers drivers to make safer maneuvers, preventing incidents before they occur.

Built for durability, the Akteena Peripheral Camera withstands extreme conditions while ensuring reliable performance in harsh environments. Its compact, rugged design allows seamless installation, while enhanced low-light imaging delivers clear footage in poorly lit conditions. Providing multiple viewpoints for incident reconstruction and risk assessment strengthens fleet safety, optimizing efficiency and operational control.

Installation

What's in the box

- Peripheral Camera
- Antenna
- Mounting Clamp
- Mounting Screws
- SwapKey
- Mounting Tape
- Alcohol Wipes
- M3 Torx Screws

Peripheral Camera

Antenna
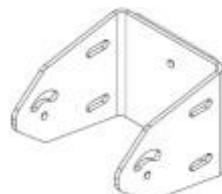
Mounting Clamp
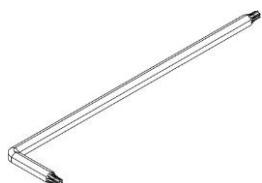
Mounting Screws

SwapKey

Mounting Tape
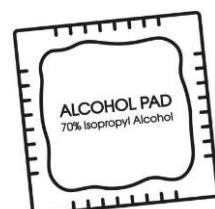
Alcohol Wipes

M3 Torx Screws

Installation

Pre-Requisites

- Ensure the vehicle is parked and the ignition is turned off.
- Pick an installation location on the vehicle that could be outside or within.
- The device will need power from a 12V/24V vehicle battery source via its harness. Make sure that the install location chosen allows for this.

Camera Install

Step 1: Clean the installation location thoroughly and mark the screw mounting locations.

Step 2: Carefully install the mounting clamp at the desired location using the provided mounting screws.

Step 3: Place the peripheral camera on the mount and secure it using the M3 Torx screws.

Install Tip: Adjust the tilt angle of the camera as needed and use the Torx screw on the mount to loosen or tighten the peripheral camera to achieve the desired angle.

Step 4: Install the WiFi antenna to the device.

Step 5: Use the camera's power connectors to tap into the 12V/24V battery and ground lines.

Note: The camera's harness has three interfaces to it:

the power connectors, an Ethernet connector (for future use cases), and a USB-C data interface (for future use cases).

Operating Instructions

- Start the ignition of the vehicle
- The peripheral cameras are designed to connect automatically and interface with the Akteena Dashcam.
- To validate that the peripheral camera is installed and working as designed, please scan for nearby WiFi SSIDs that broadcast the network name as "AKT_<serialNumber>" where the serial number is printed on the camera's label.

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-A928

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.

AKTEENA

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.

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