INOGENI

CAMTRACK & CAMTRACK PRO

MULTI-CAMERA VOICE-ACTIVATED SWITCHER

QUICK START GUIDE

INOGENI's CAMTRACK is the most versatile and cost-effective voice-activated multi-camera switcher ecosystem, delivering seamless integration with USB, HDMI, NDI and RTSP cameras in one simplified solution.

DEVICE CONNECTORS

Power 5V/2A — LAN/PoE — USB — Status LED

Power 5V/2A — LAN/PoE — USB — Status LED

CAMTRACK
Manages up to 4 audio devices and 8 PTZ cameras

CAMTRACK PRO
Manages up to 8 audio devices and 12 PTZ cameras

WHAT'S IN THE BOX

- 1x CAMTRACK or CAMTRACK PRO module
- 4x Rubber feet (pre-mounted)

- 1x Thank You card
- 1x Quick Start Guide

THE ECOSYSTEM

CAMTRACK + INOGENI SWITCHER + MULTIPLE CAMERAS + SHURE MICROPHONE

CAMTRACK integrates with SHURE microphones to detect the active speaker's voice and control the INOGENI switcher to automatically select the right PTZ camera view including preset, or AI tracking mode for a seamless videoconference experience.

INOGENI CAMTRACK
Multi-camera voice-activated switcher

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THE ECOSYSTEM – CONT.

INOGENI CAMERA SWITCHER

- IP2USB for NDI and RTSP cameras
- USB and HDMI multi-camera switching via INOGENI CAM230 and CAM300

MULTIPLE PTZ CAMERAS

- NDI and RTSP camera (with INOGENI IP2USB)
- Canon PTZ camera (XC protocol)
- Panasonic PTZ cameras (HTTP protocol)
- Sony (VISCA over IP protocol)
- Supports all other PTZ cameras (VISCA over IP protocol)

SHURE MICROPHONE

CAMTRACK is designed to optimize Shure's ecosystem, including:
- SHURE MXA910, MXA920, MXA710, and MXA310 microphones
- SHURE MXCW conference system

OPTIONAL
SHURE

- MXA-MUTE button
- ANIUSB-MATRIX and IntelliMix Foundation Kit for Microsoft Teams Rooms

Videoconference CODECs

- Room PCs
- Laptop soft-CODECs

SAFETY INSTRUCTIONS

- The device is intended for use exclusively in enclosed, dry indoor environments. Use in safety-critical, medical, or industrial control applications is explicitly excluded.
- Use a suitable power supply (5V/2A) or a PoE switch compliant with IEEE 802.3af (Class 0).
- Ensure adequate ventilation during operation. In a closed rack, the operating temperature may exceed the ambient temperature.

INSTALL THE SYSTEM

The control system can be mounted onto a wall or placed on a flat surface.

If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient temperature. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature specified by the manufacturer.
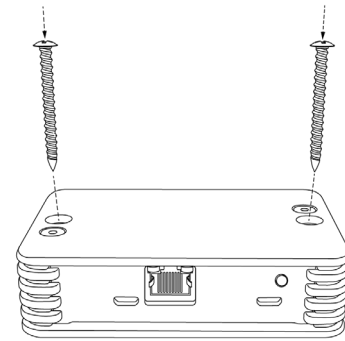
WALL MOUNTING

Mounting screws are not supplied. Different wall materials require different types of wall hardware. Always use hardware (screws, wall plugs, etc.) that is suitable for your wall.

The inner diameter of the fixing holes is 5 mm.
Flat head screws are recommended. Do not overtighten.

You can remove the rubber feet or not before attaching the unit onto the wall.

SURFACE MOUNTING

Attach the supplied rubber feet to the corresponding holes in the corners on the underside of the INOGENI CAMTRACK before placing it on a flat surface or stacking it with other appliances.

PREPARE THE DEVICE

1. Start the controller: Power on the INOGENI CAMTRACK controller via PoE (Power over Ethernet, IEEE 802.3af, Class 0) or by connecting a USB power source (5V, 2A) to the "Power" port and ensure that the micro USB connector is inserted correctly. Avoid using force.
2. Please wait a few seconds until the INOGENI CAMTRACK has completed the booting process.

Note: The INOGENI CAMTRACK has two application slots, with the second slot reserved only for smaller applications. It is recommended to run large applications in the first application slot.
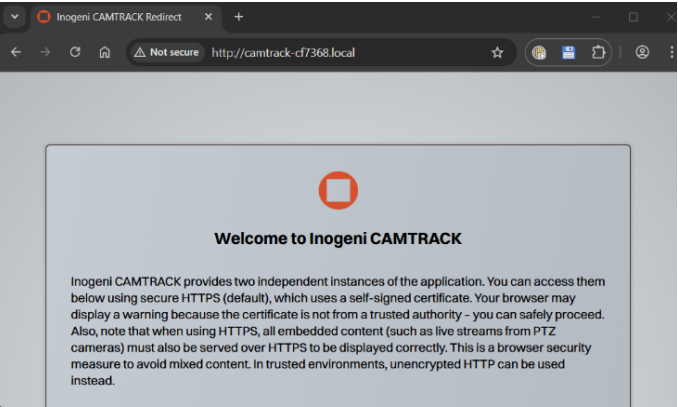
FIRMWARE UPGRADE

Before using the device, upgrade the firmware. The latest firmware can be downloaded from the INOGENI CAMTRACK product page on the INOGENI website (https://inogeni.com/product/camtrack/)

Use only officially released firmware updates. Independently installed software or unauthorized system modifications will result in the loss of product safety and compliance.

DEVICE CONFIGURATION

The DHCP client is activated by default. If a DHCP server is not available or does not exist in the network, the device can assign itself an IP address (Internet Protocol). This function is known as Automatic Private IP Addressing (APIPA).

Configure the device via the web interface. To access the web interface, connect your computer to the same network, open a web browser and navigate to the mDNS URL shown under the device on the MAC address sticker. For example:

LED INDICATOR

The LED indicator can only show color red. However, the number and frequency of the flashing signals provide information about the current system status.

LED behavior	Phase	Remarks
Double flashing	Booting	
Flashes every second	Pre loading	Read/Write USB stick
Continuous lighting	Initializing	
Flashes every 5 seconds for 200 ms	Running	Short heartbeat
Flashes every 5 seconds for 700 ms	Standby	Long heartbeat

The heartbeat indicators apply individually to each slot, with the LED displaying the status of both. A short blink indicates an active slot, while a long blink signals an inactive one. The sequence of blinks determines the slot configuration:

A short blink followed by a long one means the first slot is on and the second is off. A long blink followed by a short one indicates the opposite. If both slots share the same state, the LED flashes either twice briefly or twice with longer intervals.

SECURITY LOCK PORTS

The device has two cut-outs (see A resp. B) for attaching a Kensington Nano Lock.

The INOGENI CAMTRACK is equipped with 2x 5 mm pass-through holes in the casing, allowing the use of cable seals to secure against unauthorized opening. By threading cable seals through the holes and closing them, the casing can be secured, preventing access to the internal components of the device.

It is not recommended to use the holes for securing and mounting at the same time.

SUPPORT

Engineered by video professionals, for video professionals, it is your most compatible device. INOGENI expertise at:

- **Expert Technical Support team** at support@inogeni.com for immediate help or if you have any technical question about our products.
- Extensive **Knowledge Base** on all INOGENI products to learn from other customer's experiences.

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FEATURE REQUEST

Do you have an idea or are you missing a feature?

Send us a feature request at support@inogeni.com so our product team can be aware.

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CERTIFICATIONS

FCC Radio Frequency Interference Statement Warning

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.

IC Statement

This Class A digital apparatus complies with Canadian CAN ICES-3(A)/NMB-3(A).

CE Statement

We, INOGENI Inc., declare under our sole responsibility that this product, to which this declaration relates, is in conformity with European Standards EN 55032, EN 55035, and RoHS Directive 2011/65/EU + 2015/863/EU.

UKCA Statement

This device is compliant with the Electromagnetic Compatibility Regulations 2016 No. 1091 as part of the requirements leading to the UKCA marking.

RCM Statement

This device is compliant with Regulator Compliance Mark (RCM) certification.

WEEE Statement

The European Union has established regulations for the collection and recycling of all waste electrical and electronic equipment (WEEE). Implementation of WEEE regulations may vary slightly by individual EU member states. Please check with your local and state government guidelines for safe disposal and recycling or contact your national WEEE recycling agency for more information.

To learn more, visit the product page at:
www.inogeni.com/product/camtrack/

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