

INOGENI INOGENI TOGGLE High Quality USB
Devices



INOGENI TOGGLE High Quality USB Devices User Guide

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INOGENI TOGGLE High Quality USB Devices



Specifications

- Product Name: U-CAM
- Compatibility: USB 2.0
- Function: Optimizes USB video and audio feeds, resets USB hub tiers

Product Usage Instructions

Overview

U-CAM is a solution designed to address USB tier limitations in complex setups to ensure stable video and audio performance.

Steps to Use U-CAM

- **Step 1: Setup**
Connect U-CAM to your existing USB devices setup.
- **Step 2: Integration**
Integrate U-CAM to effectively reset USB hub tiers behind its processing unit.
- **Step 3: Connection**
Connect U-CAM to your laptop using a USB-C to USB-A cable for optimal performance.
- **Step 4: Operation**
Enjoy seamless connections and improved stability in video and audio feeds without the need for excessive hubs or extenders.

Instructions for use

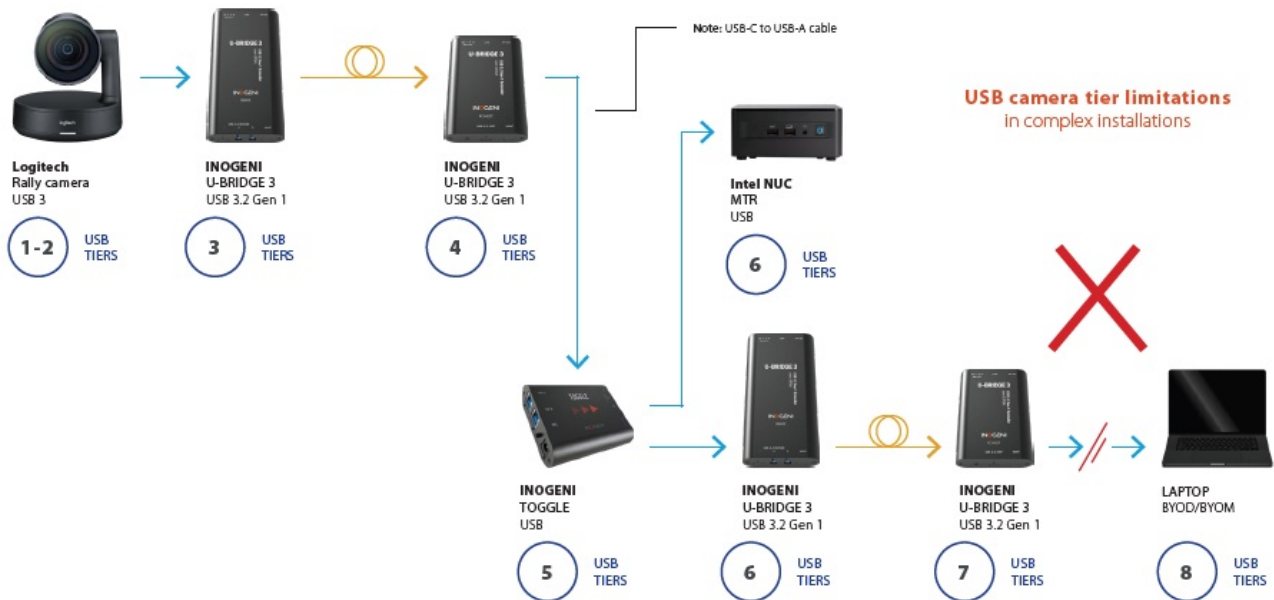
Did you know that excessive USB tiers (hubs) can disrupt video and audio performance, causing connectivity issues and bandwidth bottlenecks? In multi-USB device setups, these hidden limitations often lead to unreliable signal transmission—especially when using extenders.

The challenge: Too many USB hubs in large AV setups

Large conference rooms and AV installations often require multiple USB devices—such as cameras, microphones,

and switchers—to function seamlessly. However, when a videoconferencing camera is connected through a USB extender, followed by a USB switcher, another extender, and finally to the laptop, the USB hub tiers multiply. This excessive layering of USB devices can cause serious performance issues, including:

- Bandwidth limitations that impact video and audio quality
- Connection instability that causes devices to drop or fail to be recognized
- Complex troubleshooting that makes installations harder to manage

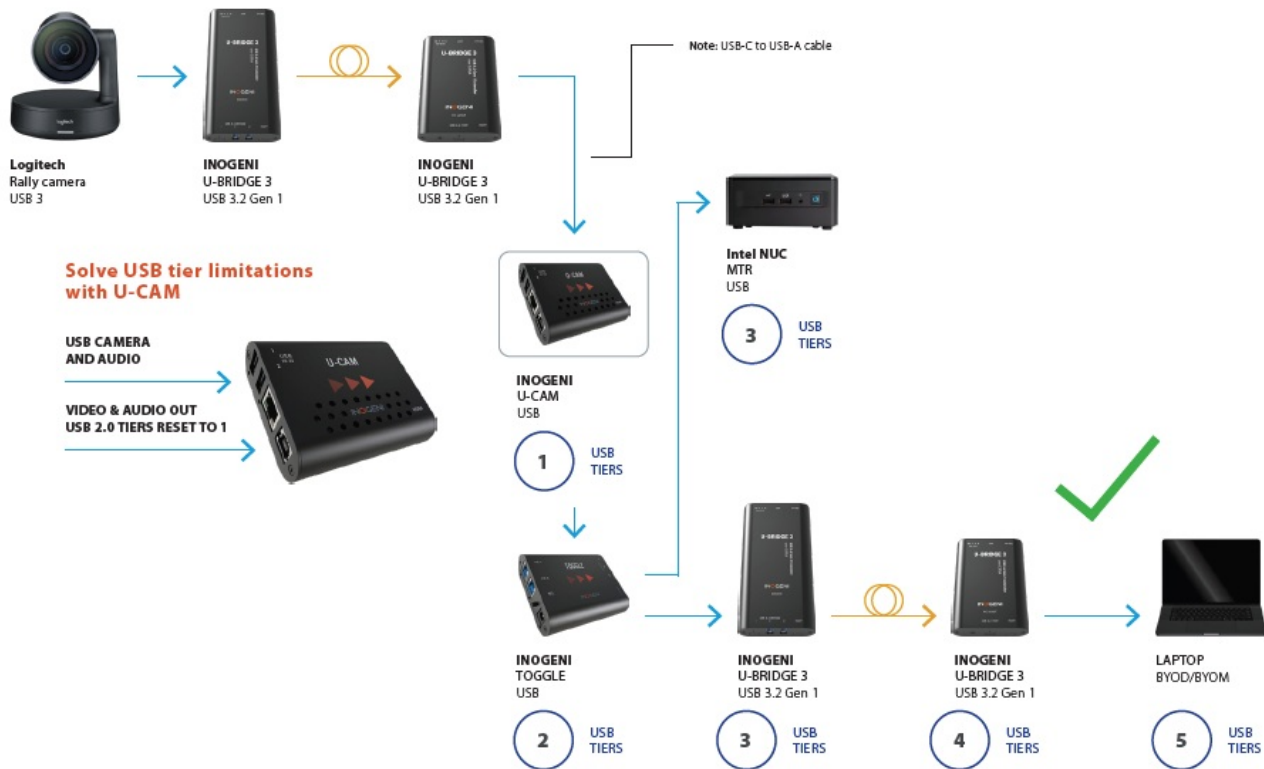


The solution? INOGENI's U-CAM – The USB tier resitter

U-CAM optimizes USB 2.0 video and audio feeds by effectively resetting USB hub tiers behind its processing unit. Instead of cascading multiple USB hubs and extenders, U-CAM re-encodes video and audio into a fresh USB composite device, significantly improving connectivity and stability. This ensures a stable, seamless connections to your laptop without overwhelming the USB structure.

Optimize USB 2.0 video and audio feeds with U-CAM

Achieve seamless multi-USB device integrations by using U-CAM to hide USB tiers, ensuring reliable laptop connections without excessive hubs or extenders.



Features

Key considerations

- **Limited camera control:** Intelligent camera control (e.g., speaker tracking, auto-framing) will not be supported in Teams or Zoom when U-CAM is in the signal path.
- **Device visibility:** Some PC applications may not detect the end-camera when routed through U-CAM.
- **Compatibility scope:** U-CAM works with cameras and audio devices but does not translate HID interfaces (e.g. touchscreen controls).
- **Clarification on functionality:** U-CAM does not reset all USB tiers—it re-encodes video and audio into a new USB device for improved performance.

Elevate your video meeting experiences with a smart USB solution designed for complex installations. Visit the U-CAM product page.

- Inogeni
- 1045 Wifrid-Pelletier Avenue Suite 101, Québec, QC G1W 0C6
- support@inogeni.com
- inogeni.com

Frequently Asked Questions

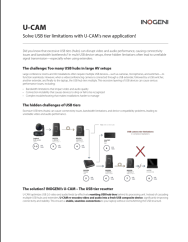
- **Q: What is the main purpose of U-CAM?**
 - A: U-CAM is designed to optimize USB 2.0 video and audio feeds by resetting USB hub tiers in complex setups, ensuring stable connections without performance issues.
- **Q: How does U-CAM improve performance in large AV installations?**
 - A: U-CAM eliminates excessive USB tiers that can cause connectivity issues and bandwidth bottlenecks,

providing a reliable solution for seamless multi-USB device integrations.

- **Q: Is U-CAM compatible with all USB devices?**

- A: U-CAM is optimized for USB 2.0 devices and is designed to work effectively with a variety of USB cameras, microphones, switchers, and laptops.

Documents / Resources

	INOGENI TOGGLE High Quality USB Devices [pdf] User Guide TOGGLE High Quality USB Devices, TOGGLE, High Quality USB Devices, USB Devices, Devices
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References

-  [INOGENI | Video conferencing equipment & AV devices](#)
- [User Manual](#)

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