IP2USB

Network AV to USB bridge (NDI and Dante audio)

INOGENI

NEW / **CONVERT & SWITCH**

IP2USB: IP-to-USB converter and multi-camera switcher with AVoIP

INOGENI's IP2USB is a specialized switcher that bridges NDI® HX/RTSP IP cameras and Dante audio to a USB host. It eliminates costly extenders and DSPs, simplifying the connection between IP cameras and web communication platforms.

The device provides high-performance hardware decoding and seamless switching via web page or API. It's TAA-compliant and made in Canada.

- Multi-protocol bridge: Converts NDI® HX, and RTSP streams to USB and HDMI
- Bi-directional audio: UAC I/O support for seamless USB audio and speakerphone integration

Dante Audio: **Integrated Dante support with easy routing via the Dante Controller**

Manual switching: **Instantly switch** between multiple cameras via the device web page or via API

Automated switching with INOGENI's CAMTRACK, our voice-activated multi-camera switcher

The IP2USB functions as the hardware engine for CAMTRACK's Virtual Technical Director software, using SHURE microphone data to trigger voice-activated switching.

- Up to **12 camera feeds** supported with automated switching
- **Voice-activated:** Triggers camera switching based on live microphone data
- **Broad PTZ support:** Works with an extensive list of PTZ camera manufacturers, including Canon, AVer, Sony, Panasonic, PTZOptics and virtually any PTZ IP camera

Designed & Manufactured in Canada

TAA COMPLIANT

5 YEAR WARRANTY

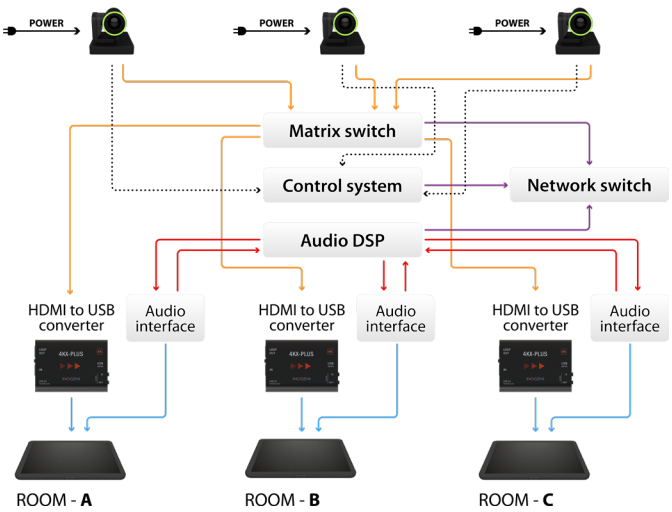
View the product web page | sales@inogeni.com | Technical specifications

IP2USB

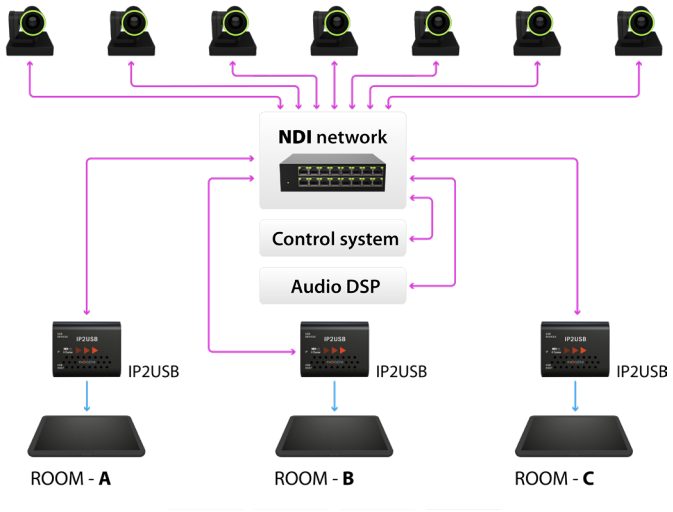
Network AV to USB bridge (NDI and Dante audio)

Streamline your IP/NDI® HX cameras network with IP2USB

TRADITIONAL MATRIX SYSTEM | COMPLEXITY & CABLE CHAOS



IP2USB APPROACH | SIMPLICITY & SEAMLESS FLOW

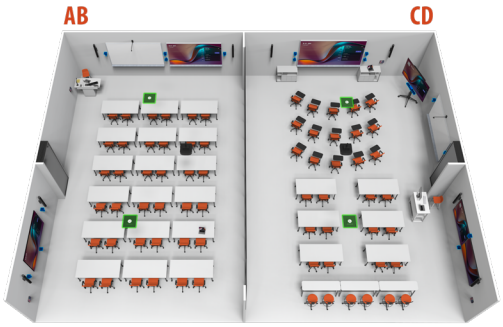


IP2USB and CAMTRACK PRO: The ultimate divisible suite

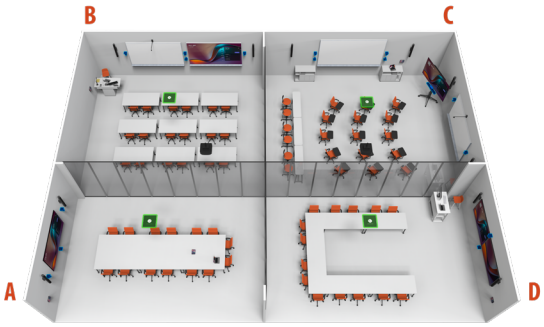
One ecosystem. Any configuration: [A][B][C][D] → [AB][CD] → [ABCD]
The setup: Distribute 12 IP/NDI® HX cameras across your floor plan. Each of the 4 zones is equipped with one IP2USB and one CAMTRACK PRO, providing every room with a total-view link to the entire 12-cameras network.

The flexibility:

- Control: Reconfigure all 12 cameras and tracking presets with a single finger tap



Combined: Instantly merge into dual suites ([AB], [CD]) or one grand hall ([ABCD])



Divided: 4 independent rooms ([A], [B], [C], [D]) with 3 dedicated cameras each

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IP2USB

Network AV to USB bridge (NDI and Dante audio)

IP2USB: IP-to-USB converter and multi-camera switcher for professional AV setups with AVoIP support

Next-level AV integration with IP-to-USB conversion

INOGENI's IP2USB is a specialized converter and switcher that allows users to connect sophisticated NDI® HX/RTSP IP-based cameras and Dante audio to a USB host, eliminating the need for costly USB extenders. It simplifies the bridge between IP cameras and your favorite web communication platform, providing a cost-effective solution for integrating cameras and audio devices.

- **Convert IP to USB and HDMI across multiple AVoIP standards**, including NDI® HX and RTSP
- **Instantly switch** between multiple cameras via the device web page or via API and control
- **USB host:** 1x USB 2.0 Type-B for USB host PC connection
- Supports NDI® HX/HX2/HX3 (1080p60 in H.264/H.265), RTSP standards
- UVC 1080p30 MJPEG video output
- UAC audio I/O support: Facilitates bi-directional audio via USB

Seamless integration and flexible control

- The device can be controlled via IP, RS-232, or USB interfaces
- Friendly names for multiple camera applications
- Camera control: Visca, PTZ, preset commands
- LED indicators for power and RJ45 connection status
- Power: +12V power input from an external source

Reliable and efficient

- Direct connection using IP-based communication, reducing the need for expensive DSP systems
- Backed by a 5-year warranty
- Made in Canada and TAA-compliant

Dante audio integration with easy routing via the Dante Controller

- **Audio processing:** Supports HDMI and USB-based audio routing

Dante audio integration with IP2USB

The IP2USB supports Dante audio, offering seamless, bidirectional audio over IP. This integration allows easy routing and flexible audio handling for professional AV systems.

- **Dual configuration options:**
  - **2x2 audio interface**
  - **1x1 speakerphone mode**
- **Flexible Dante routing:**
  - Signals can be routed via the **Dante Controller**, which is familiar to integrators who use Dante for networked audio
  - Transmit **2x In** and **2x Out** Dante audio channels to the USB interface in sync with video signals

Seamless integration and flexible control
IP2USB multiple-camera switcher with CAMTRACK automates AVoIP switching for up to 12 cameras

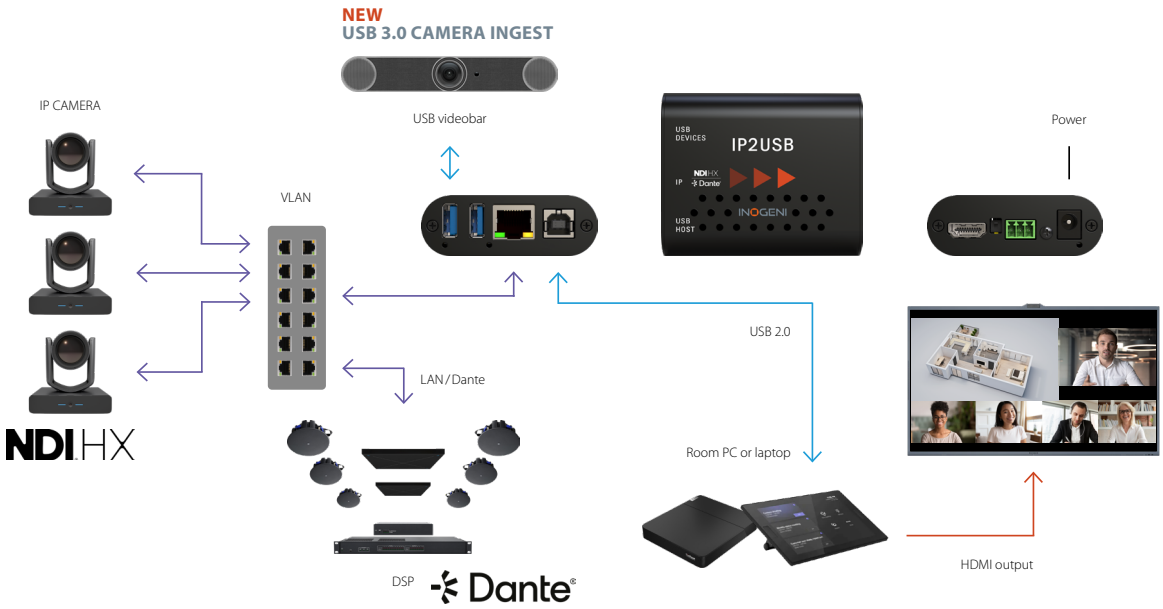
- The IP2USB functions as a high-performance NDI® HX camera converter managed by CAMTRACK, your Virtual Technical Director software, which uses Shure microphone data to trigger automated, voice activated camera switching.
- See more applications

IP2USB

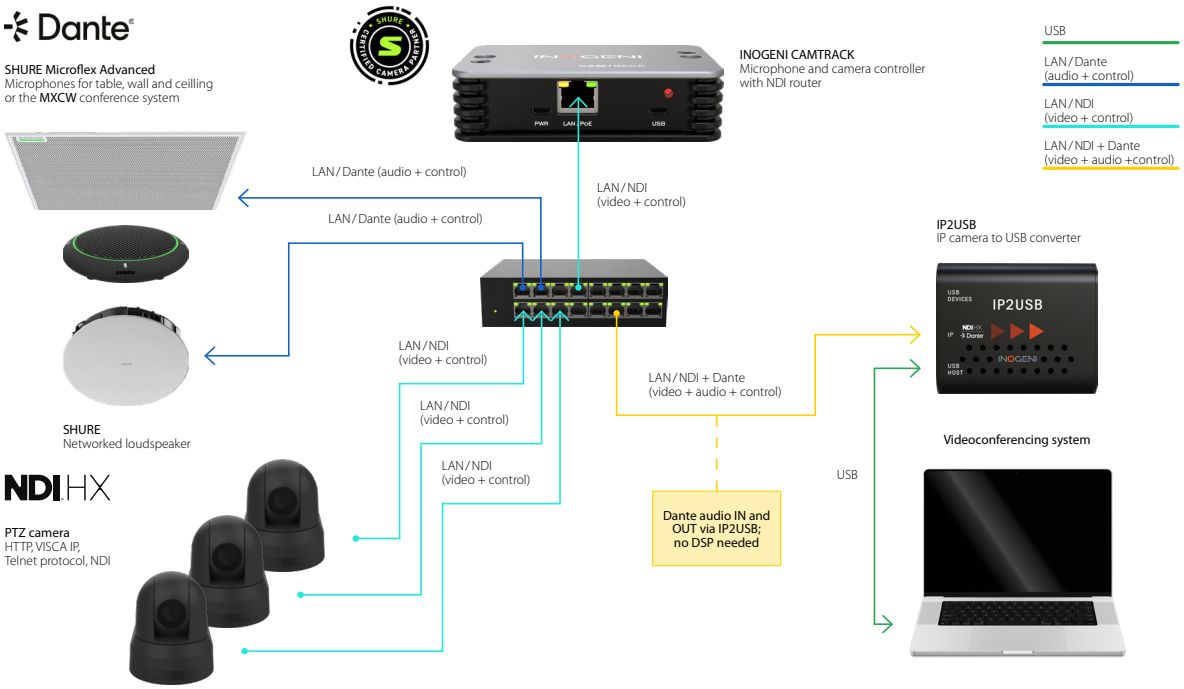
Network AV to USB bridge (NDI and Dante audio)

Seamless IP video conferencing

NEW IP2USB
IP CAMERA & DANTE TO USB CONVERTER
NDI® HX, HX2 & HX3 and RTSP sources to USB
2x USB 3.0, DSP interface (Dante) or microphone
Audio and video over USB and HDMI



CAMTRACK + IP2USB CONVERTER: IP/NDI® HX/RSTP CAMERA



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The **IP2USB** features a powerful integrated web interface for managing multiple IP camera sources. This intuitive interface allows integrators to perform live camera switching, monitor connection status at a glance, and recall precise PTZ presets. Designed for mission-critical stability, it streamlines the full lifecycle of your AV deployment—from initial configuration and friendly source naming to simplified, one-click firmware updates.

- **Real-time diagnostics and control:** Instantly toggle between IP and NDI® HX feeds and monitor live signal health without interrupting meeting flow.
- **Streamlined management:** Customize device settings and maintain peak performance with simple remote configuration tools and full API support for deep third-party integration.

Plug and play without any drivers

This solution is fully compatible with popular videoconferencing systems, such as Microsoft Teams, Zoom Rooms, all USB cameras and videobars.

webex by cisco | Microsoft Teams | zoom Rooms

hp | poly | Lenovo | MAXHUB

Manufactured in Canada

TAA COMPLIANT

5 YEAR WARRANTY

Contact your INOGENI representative today for a live demonstration and see how the IP2USB platform can simplify your project deployment.

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