

IP2USB

IP CAMERA TO USB CONVERTER

Connect multiple NDI/RTSP and Dante based cameras to a laptop or UC system via USB with an 4K HDMI output

DEVICE CONNECTORS



OVERVIEW

IP2USB – IP-to-USB converter for professional AV setups with AVoIP support.

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

The INOGENI IP2USB is a specialized converter that allows users to connect sophisticated IP-based cameras to USB peripherals, eliminating the need for costly USB extenders. This solution is ideal for scenarios involving cameras with IP output. It enables a direct connection to the device without requiring an Ethernet switch, providing a simplified, cost-effective solution for integrating cameras and audio devices.

The IP2USB supports **multiple AVoIP standards, including NDI/NDI HX/RTSP and Dante audio**, enabling seamless transmission of video and audio across networks while ensuring low latency and high quality. This enables users to eliminate DSP systems, reducing costs while maintaining high-performance audio and video integration.

High-performance IP connectivity and USB interface

- Convert IP to USB and HDMI multiple AVoIP standards, including NDI, NDI HX and RTSP
- USB Host: 1x USB 2.0 Type-B for USB host PC connection

- UVC 1080p30 MJPEG video output
- UAC audio I/O support: Facilitates bi-directional audio via USB
- Dante audio integration with easy routing via Dante Controller - [Learn more](#)

Connectivity and USB interface

- USB devices: 2x USB3.0/USB2.0 Type-A for connection to peripherals, such as DSP, HID devices (keyboard, mouse, touch screen)
- HDMI: HDMI 1.4 output up to 2160p30 with audio
- Audio integration: Support for USB audio such as speakerphone/DSP to USB or HDMI sink

Seamless integration and flexible control

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

Versatile and reliable performance

- Supports NDI® HQ (1080p30 in I-frame, low latency), NDI® HX/HX2/HX3 (1080p60 in H.264/H.265), RTSP standards
- Seamless switching between multiple AVoIP sources with low latency
- Audio processing: Supports HDMI and USB-based audio routing

Reliable and efficient

- Direct connection using IP-based communication, reducing the need for expensive DSP systems
- Flexible solution for both video and audio integration, with the ability to route audio to HDMI and USB.
- Supports a wide range of peripherals and devices for a complete pro-AV solution
- Backed by a 5-year warranty
- Made in Canada and TAA-compliant

WHAT'S IN THE BOX

- 1x IP2USB converter
- 1x 1 m (3 ft.) USB 2.0 cable (Type-A to Type-B)
- 1x RS-232 terminal block adapter
- 1x power supply 100-240 VAC 50/60Hz to 12V/1.2A DC
 - International adapters included in the box (AUS, EUR, UK and US)

HOW DOES IT WORK?

The INOGENI IP2USB allows you to easily connect IP-based cameras to a laptop or UC system via USB, eliminating the need for costly USB extenders.

The device converts AVoIP signals, such as NDI/NDI HX and RTSP, into USB and HDMI outputs, simplifying integration with USB peripherals and video conferencing equipment. By leveraging IP-based communication, the IP2USB provides high-quality, low-latency video and audio streaming to laptops or CODEC systems, ensuring seamless connectivity in professional AV setups.

For environments with multiple cameras, the IP2USB can aggregate the signals from each camera, routing them over a single Ethernet connection to your laptop or codec system. This allows users to connect sophisticated cameras directly to their USB-enabled video conferencing hardware or software, without the need for additional infrastructure. The device also supports PTZ controls making it an ideal choice for dynamic, multi-camera setups.

In addition to video, the IP2USB offers full audio integration, with support for both UAC audio I/O over USB and HDMI audio output. This allows users to easily route audio from USB peripherals to HDMI sinks or USB-connected systems. With its flexible IP, USB, and RS-232 control options, the IP2USB is a versatile solution that simplifies pro-AV setups while providing reliable, professional-grade performance.

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

More about Dante capabilities:

With Dante, the IP2USB integrates audio over a single network, eliminating the need for traditional DSP (Digital Signal Processing). This makes the setup simpler, faster, and improves efficiency, as the Dante Controller handles all routing. This setup is ideal for users already familiar with Dante in their AV workflows, offering both flexibility and reliability in networked audio integration.

FEATURED CONNECTORS



DEVICE INTERFACES



TECHNICAL SPECIFICATIONS

VIDEO INPUT

Connector	1x RJ45
Supported standards	NDI HQ/HX/HX2/HX3 (H.264/H.265) RTSP
Video resolutions	Up to 1920x1080p60

AUDIO

Supported USB devices	DSP & speakerphones
Supported Dante devices	DSP, microphones and speakers Audio Channels: 2 in, 2 out Sample rate: 48kHz

USB OUTPUT

Connector	1x USB 2.0 Type-B UVC interface up to 1080p30 MJPEG UAC interface with audio I/O PTZ control supported
Video scaler	Automatic hardware based
Color space conversion	Automatic hardware based
Sampling conversion	Automatic hardware based
Frame rate conversion	Automatic hardware based

HDMI OUTPUT

Connector	1x HDMI
Video resolutions	3840x2160p24/25/30/50/60 fps 1080p50/60 fps 720p50/60 fps
Color space	YUV422 and YUV420 to RGB conversion
Embedded audio	Device will capture embedded audio from IP or external USB device and will output through HDMI
Chroma subsampling	YUV/RGB 4:4:4, 4:2:2

CONTROL

IP interface	10/100 Mbps Supports DHCP or static IP addressing
RS-232 interface	3x positions – Terminal block Baud rate: 9600 Data bits: 8 Stop bits: 1 Parity: None Flow control: None
Presets	Able to recall camera presets from single and multiple cameras

COMPATIBILITY

Operating system	NO driver installation necessary! Windows 10 and above macOS 10.10 and above Linux (kernel v2.6.38) and above
Consumed USB tiers	1 tier
Supported cameras	Any NDI HX and RTSP camera source that support up to 1080p60 are supported
Software compatibility	UVC-compliant, it runs with all software compatible with DirectShow, AVFoundation and V4L2. Compatible with: Teams, Zoom, Webex, Google Meet, etc.

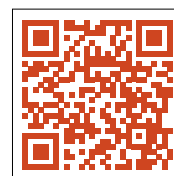
TECHNICAL SPECIFICATIONS – CONT.

PHYSICAL DETAILS	
Dimensions (W x L x H)	7.0 cm x 8.3 cm x 2.3 cm 2.76" x 3.76" x 0.90"
Power supply	12V (100-240 VAC 50/60Hz to 12V/1.2A DC)
Weight	140 g (0.31 lb)
Package content	1x 1 m (3 ft.) USB 2.0 cable (Type-A to Type-B) 1x RS-232 terminal block adapter 1x power supply 100-240 VAC 50/60Hz to 12V/1.2A DC International adapters included in the box (AUS, EUR, UK and US)
Operating temperature	0°C to 45°C / 32°F to 113°F
Storage temperature	-40°C to 105°C / -40°F to 221°F
Relative humidity	0% to 90% non-condensing

INFORMATION	
UPC code	051497480424
Origin	Canada
Warranty	5 years

CERTIFICATIONS	
Certifications	FCC, CE, RoHS, IEC62368, SoV, RCM, KC, MSIP, NOM
TAA-compliant	Yes

For technical support, contact us at support@inogeni.com



Copyright © 2026/01 INOGENI | All Rights Reserved. INOGENI name and logo are trademarks or registered trademarks of INOGENI. Use of this product is subject to the terms and conditions of the license and limited warranty in effect at the time of purchase. Product specifications can change without notice.

inogeni.com