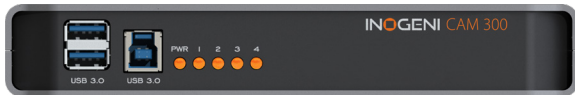


CAM300

SWITCH 1 OF 4 USB 2.0/HDMI CAMERAS TO USB 3.0 AND HDMI + PTZ CONTROL

DEVICE CONNECTORS



- Output: Uncompressed video on USB 3.0, MJPEG on USB 2.0 and HDMI 1080p60
- Controllable by LAN & RS-232
- Cost-effective solution that is reliable as well as simple to install and connect (no driver required)
- Designed and manufactured in Canada
- TAA-compliant

OVERVIEW

Ideal for classrooms, with this 4 video-source selector (switcher), benefit from instant seamless switching and automatic connection to any app—without drivers.

- 4 video camera sources (2x USB and 2x HDMI) with a clean switcher into a single USB 3.0 interface
- Engage in dynamic presentations and easily switch cameras with a push of a button
- Change camera and video configuration without cutting the flow of your presentation
- Ideal for remote education, collaborative meetings, webinars or live streaming
- Compatible with the Q-SYS Core processors
- Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
- Perfectly compatible with Logitech UC cameras and CODECs
 - Logitech-tested compatible cameras: Rally and Rally Bar series, MeetUp, MeetUp 2, Scribe, and consumer cameras
 - Logitech UC CODECs: Rally Bar and Rally Bar series (Appliance Mode), Roommate, for MTR and Zoom Rooms



WHAT'S IN THE BOX

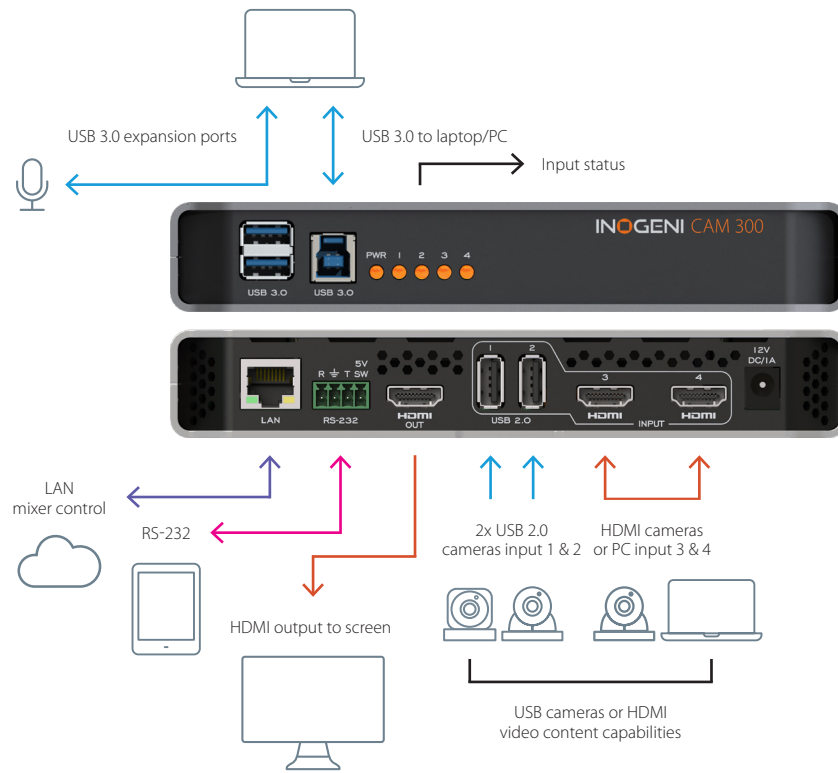
- 1x 1m/3.3 ft. USB 3.0 cable (Type-A to Type-B)
- 1x RS-232 terminal block adapter
- 1x power supply 100-240 VAC 50/60Hz to 12V/1.2A DC
 - International adapters included in the box (AUS, EUR, UK and US)

HOW DOES IT WORK?

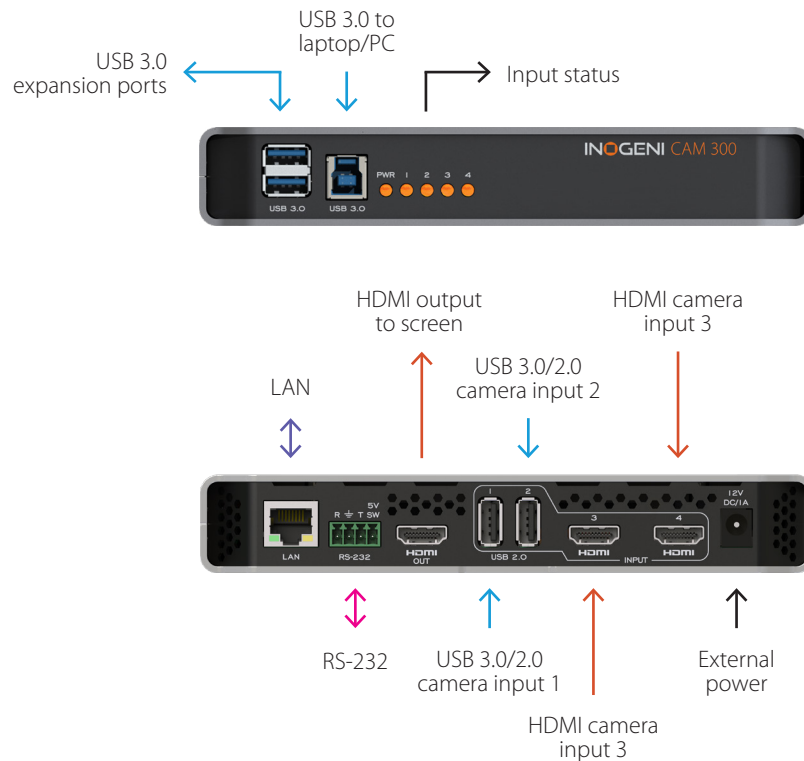
The CAM300 4-in-1 Pro-AV camera selector offers maximum versatility for both local and remote control. It is the best choice for standalone applications because it includes an HDMI output to monitor the selection. You can also use it with INOGENI's SHARE2 or SHARE2U camera mixers.

Easy push-button to switch easily up to 4 video cameras.

FEATURED CONNECTORS



DEVICE INTERFACES



TECHNICAL SPECIFICATIONS

VIDEO INPUT

#1 Connector & video resolutions	1 x USB camera 2.0 MJPEG or H264 (*) Depends on the camera specifications
#2 Connector & video resolutions	1 x USB camera 2.0 MJPEG or H264 (*) Depends on the camera specifications
#3 Connector & video resolutions	1x HDMI 1080p60, 1080p30, 720p60 and 480p60 (1080p60 supported for S/N greater than KC2111xxx and KCM111xxx)
#4 Connector & video resolutions	1x HDMI 1080p60, 1080p30, 720p60 and 480p60 (1080p60 supported for S/N greater than KC2111xxx and KCM111xxx)
1080p notes for MJPEG and H264	* CAM300 USB limitations and optimizations for up to 1080p The USB 2.0 or USB 3.0 cameras that only support uncompressed video will have reduced video resolution to optimize fluidity. Due to hardware limitations, only 1x 1920x1080p30 MJPEG and 1x 1280x720p30 MJPEG video resolutions can be captured simultaneously. For better performance and video fluidity, use USB 3.0 or 2.0 cameras that support MJPEG or H264 CODECs. You have two options to achieve 1080p on two video sources for the CAM300: Option 1 1x USB camera (1080p MJPEG or H264 CODECs) 1x 1080p HDMI camera Option 2 1x USB camera (1080p MJPEG or H264 CODECs) 1x USB camera (1080p or higher) connected to the CAM300 HDMI input via the INOGENI U-CAM converter (4K USB to HDMI converter)
Color space	HDMI : RGB, YCbCr 4:4:4 and 4:2:2

VIDEO OUTPUT

HDMI	1x HDMI up to 1080p60 (One mixed video stream)
USB	1x USB 3.0 uncompressed up to 1080p60 (One mixed video stream)
USB - Color space or CODEC	USB 3.0: YCbCr (YUY2) 4:2:2 8-bit. USB 2.0: MJPEG
USB - Video scaler	Automatic hardware-based
USB - Color space conversion	Automatic hardware-based
USB - Sampling conversion	Automatic hardware-based
USB - Frame rate conversion	Automatic hardware-based

AUDIO

Digital audio I/O	HDMI embedded PCM USB camera audio USB 3.0 PCM stereo, audio follow input
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CONTROL

Control options	Front buttons RS-232 LAN USB
IP interface	DHCP not supported Static IP address configuration through our Control App

USB PORT

USB expansion port	Two (2) extra USB 3.0 ports for expansion purposes. The devices connected will appear to the host.
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COMPATIBILITY

Q-SYS Core processors compatibility	Compatible with the Q-SYS Core processors
Barco ClickShare Conference compatibility	Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
Logitech UC cameras and CODECs compatibility	Logitech-tested compatible cameras: Rally and Rally Bar series, MeetUp, MeetUp 2, Scribe, and consumer cameras Logitech UC CODECs: Rally Bar and Rally Bar series (Appliance Mode), Roommate, for MTR and Zoom Rooms

TECHNICAL SPECIFICATIONS - CONT.

COMPATIBILITY - CONT.

Operating systems	NO driver installation necessary! Windows 7 and above (32/64-bit) macOS 10.10 and above Linux (kernel v2.6.38)
Consumed USB tiers	2 tiers The device is a USB composite device connected to an embedded USB hub. USB tiers between USB cameras and the device are not reported to the connected host. The device acts in some way as a “tier resetter.”
Minimum host requirements	USB 2.0 port – We recommend USB 3.0 for uncompressed video 4GB RAM Intel Core i5 or equivalent Graphic card with dedicated memory
Motherboard & laptop	Compatible with all processors and chipsets. Intel, Renesas, ASMedia and Fresco Logic
Supported cameras	Cameras with an HDMI, DVI or USB 2.0 output
Software compatibility	UVC-compliant, it runs with all software compatible with DirectShow, AVFoundation and V4L2. Compatible with: Teams, Zoom, Webex, Google Meet, etc.

VIDEO SWITCH SPEED

Video switch speed	<p>Less than 0.2 second for switching between USB inputs.</p> <p>Less than 0.2 second for switching between HDMI inputs with same video resolution.</p> <p>Less than 0.2 second for switching between USB input and “active” HDMI input and vice-versa.</p> <p>Up to 2 seconds switching between HDMI inputs if video resolutions are different.</p> <p>*Active HDMI input is the last selected HDMI input.</p>
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PHYSICAL DETAILS

Dimensions (W x L x H)	18.5 cm x 11.0 cm x 3.0 cm 7.28” x 4.33” x 1.18”
Power supply	12V (100-240 VAC 50/60Hz to 12V/1.2A DC)
Weight	570 g (1.26 lb)
Package content	1x 1 m/3.3 ft. USB 3.0 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	040232633836
Origin	Canada
Warranty	5 years: Products purchased by the end-user after August 1, 2024 2 years: Products purchased by the end-user before to August 1, 2024

CERTIFICATIONS

HDCP-compliant	The INOGENI device does not decrypt BD/DVD movies, satellite/cable receivers or other encrypted sources.
Certifications	FCC, CE, RoHS, IEC62368, SoV, RCM, KC, MSIP, NOM
TAA-compliant	Yes

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

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