CAM300

SWITCH 1 OF 4 USB/HDMI CAMERAS TO USB 3.0

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DEVICE CONNECTORS

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 (2 USB and 2 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
- 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
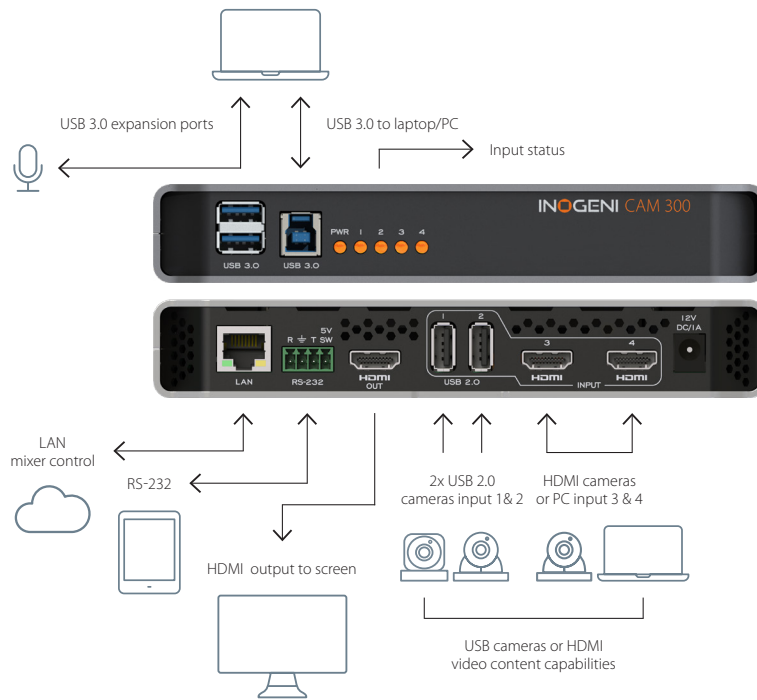- TAA-compliant

WHAT IS 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)
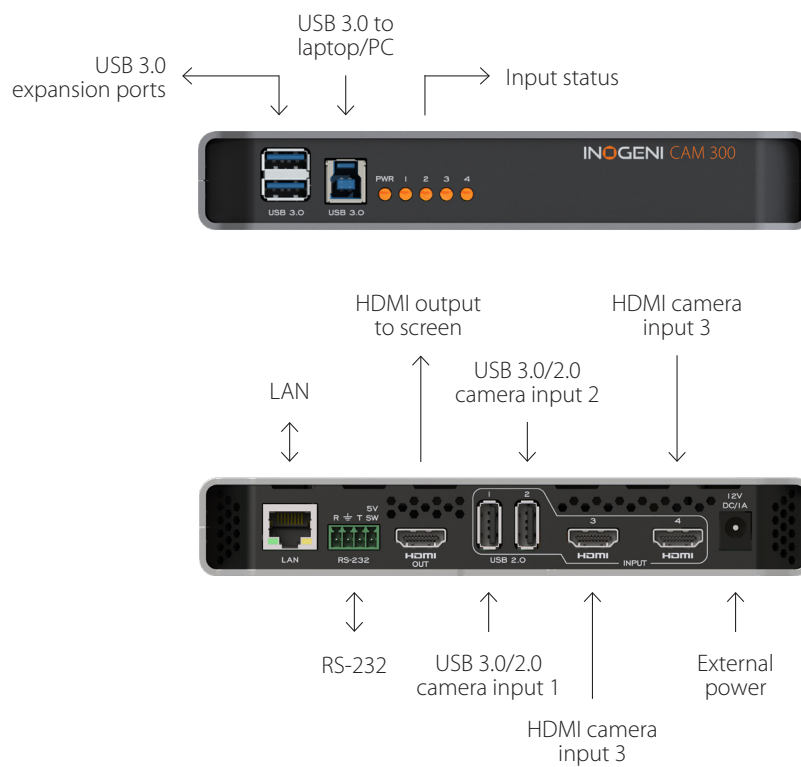
HOW DOES IT WORK?

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.

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FEATURED CONNECTORS

USB 3.0 expansion ports

USB 3.0 to laptop/PC

Input status

INOGENI CAM 300

PWR 1 2 3 4

USB 3.0   USB 3.0

LAN
mixer control

RS-232

5V
R ⏚ T SW

LAN   RS-232   HDMI
OUT   USB 2.0   HDMI   INPUT   HDMI   12V
DC/1A

2x USB 2.0
cameras input 1& 2

HDMI cameras
or PC input 3 & 4

HDMI output to screen

USB cameras or HDMI
video content capabilities

DEVICE INTERFACES

USB 3.0
expansion ports

USB 3.0 to
laptop/PC

Input status

INOGENI CAM 300

PWR 1 2 3 4

USB 3.0   USB 3.0

HDMI output
to screen

HDMI camera
input 3

LAN

USB 3.0/2.0
camera input 2

LAN   RS-232   HDMI
OUT   USB 2.0   HDMI   INPUT   HDMI   12V
DC/1A

RS-232

USB 3.0/2.0
camera input 1

External
power

HDMI camera
input 3

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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)
Notes for MJPEG and H264	* USB 2.0 or USB 3.0 cameras that only support uncompressed video will not work properly. For better performance, use USB 3.0 or 2.0 cameras that support MJPEG or H264 CODECs.
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

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.

COMPATIBILITY

Q-SYS Core processors compatible	Compatible with the Q-SYS Core processors
Barco ClickShare Conference compatible	Compatible with Barco ClickShare Conference (CX-20, CX-30 & CX-50)
Operating systems	NO driver installation necessary! Windows 7 and above (32/64-bit) macOS 10.10 and above Linux (kernel v2.6.38)
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
Supported cameras	Depends on the camera specifications
Software compatibility	UVC-compliant. Runs with all software compatible with DirectShow, AVFoundation and V4L2. Compatible with: Teams, Zoom, Webex, Google Meet, etc.

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TECHNICAL SPECIFICATIONS - CONT.

VIDEO SWITCH SPEED

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

INFORMATION

UPC code	040232633836
Origin	Canada
Warranty	2 years

PHYSICAL DETAILS

Dimensions (W x L x H)	18.5 cm x 11.0 cm x 3.0 cm 7.25" x 4.25" x 1.25"
Power supply	12V (100-240 VAC 50/60Hz to 12V/1.2A DC)
Weight	469 g (1.03 lb)
Package content	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)
Operating temperature	0° to 45° C / 32° to 113° F
Storage temperature	-40° to 105° C / -40° to 221° F
Relative humidity	0% to 90% non-condensing

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
TAA-compliant	Yes

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