INOGENI

CAM230

SWITCH 1 OF 3 USB/HDMI CAMERAS TO USB OR HDMI

DEVICE CONNECTORS

OVERVIEW

The INOGENI CAM230 is a USB and HDMI multi-camera switcher that helps improve meeting equity in virtual meetings. With its easy-to-use camera switching capabilities and support for bidirectional audio with videobars, facilitators can ensure that all participants have equal opportunities to speak and contribute. The CAM230 also supports whiteboard and document cameras for added collaboration and productivity.

• 3 video sources (2x USB3.0/2.0 and 1x HDMI) clean switcher into a single video flow
• Video output for CODECs, matrixes, monitors and laptops for BYOM settings
  • HDMI 2.0
  • USB 2.0 MJPEG – 1080p30
• Instantly change camera and video configurations without interrupting the presentation
• Ideal for remote education, collaborative meetings, webinars, and live-streaming
• Controllable by RS-232 and IP
  • Switch the camera via your videoconferencing pad or with the push button
• 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 1 m/3.3 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
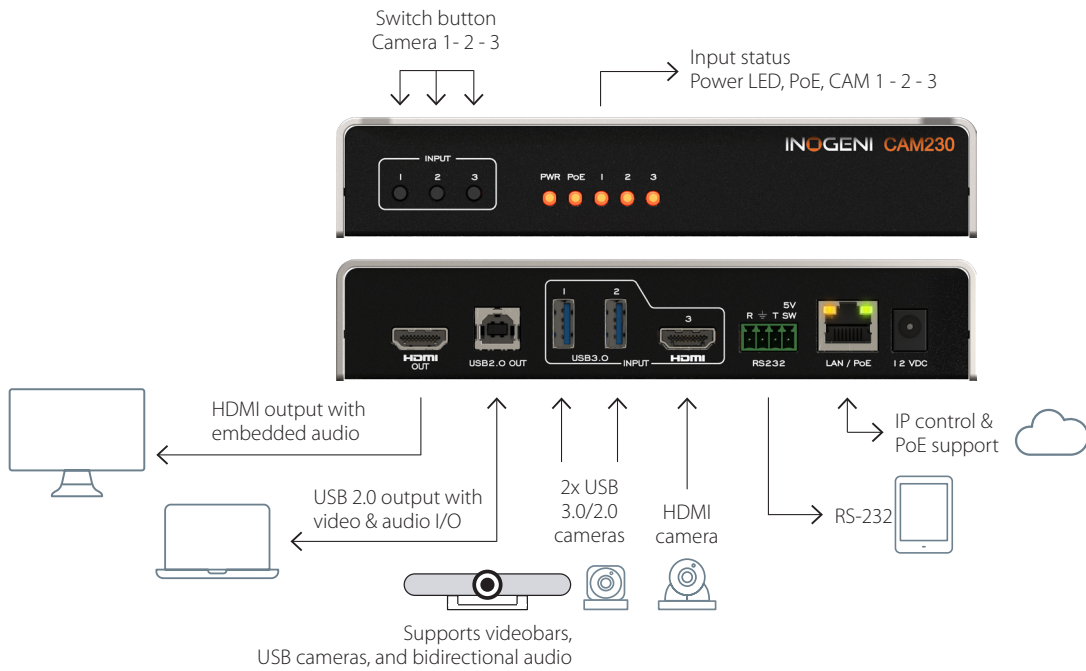 • International adapters included in the box (AUS, EUR, UK and US)

HOW DOES IT WORK?

The INOGENI CAM230 is a multi-camera switcher that allows users to easily switch between up to three video cameras during a virtual meeting or presentation.
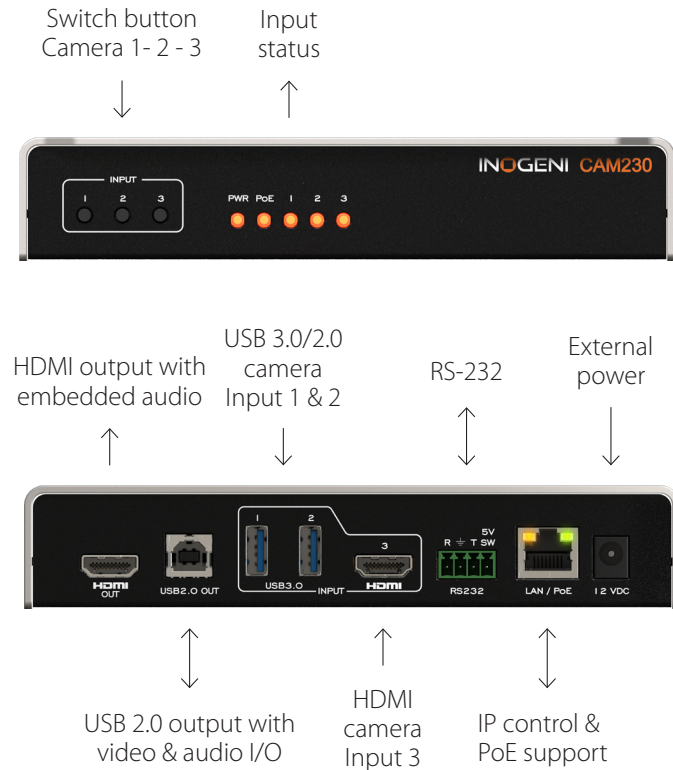
The CAM230 connects to 2x USB 3.0/2.0 cameras and 1x HDMI camera and outputs a single video stream on USB 2.0 MJPEG and HDMI 2.0. With its easy-to-use push button or via control pad switching, facilitators can ensure all participants are given equal opportunities to speak and contribute to the conversation, all while supporting whiteboard and document cameras for added collaboration and productivity.

• Connects to 2x USB 3.0/2.0 and 1x HDMI cameras
• Video output on USB 2.0 and HDMI 2.0
• Easy push-button switching or via control pad for seamless camera transitions
• Supports whiteboard and document cameras for more efficient collaboration

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FEATURED CONNECTORS

Switch button
Camera 1- 2 - 3

Input status
Power LED, PoE, CAM 1 - 2 - 3

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INPUT
1 2 3

PWR PoE 1 2 3

HDMI OUT

USB2.0 OUT

USB3.0
1 2

INPUT

3
HDMI

RS232
R ⊥ T SW
5V

LAN / PoE

12 VDC

HDMI output with embedded audio

USB 2.0 output with video & audio I/O

2x USB 3.0/2.0 cameras

HDMI camera

IP control & PoE support

RS-232

Supports videobars,
USB cameras, and bidirectional audio

DEVICE INTERFACES

Switch button
Camera 1- 2 - 3

Input status

INOGENI CAM230

INPUT
1 2 3

PWR PoE 1 2 3

HDMI output with embedded audio

USB 3.0/2.0 camera Input 1 & 2

RS-232

External power

HDMI OUT

USB2.0 OUT

USB3.0
1 2

INPUT

3
HDMI

RS232
R ⊥ T SW
5V

LAN / PoE

12 VDC

USB 2.0 output with video & audio I/O

HDMI camera Input 3

IP control & PoE support

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TECHNICAL SPECIFICATIONS

VIDEO INPUT

#1 Connector & video resolutions	1x USB 3.0/2.0 camera Uncompressed, YUYV/NV12/I420 – 1080p30 (*) MJPEG – 1080p30 (*) Support for 1080p60 in a future release
#2 Connector & video resolutions	1x USB 3.0/2.0 camera Uncompressed, YUYV/NV12/I420 – 1080p30 (*) MJPEG – 1080p30 (*) Support for 1080p60 in a future release
#3 Connector & video resolutions	1x HDMI Up to 1080p50/60
Color space	HDMI: RGB, YCbCr 4:4:4 and 4:2:2
USB power	Up to 1.2A shared between the USB ports

VIDEO OUTPUT

HDMI	1x HDMI 2.0 Up to 4K60
USB	1x USB 2.0 Type-B UVC interface up to 1080p30 MJPEG. UAC interface with audio I/O. PTZ control supported.

AUDIO

Audio	Audio coming from USB or HDMI camera is converted to HDMI and USB2.0 interface. Audio coming from USB2.0 interface is converted to USB camera.
Digital audio I/O	Embedded in HDMI or USB

CONTROL

Control options	Front buttons RS-232 LAN USB
IP interface	100 Mbps half-duplex (autonegotiation not supported) 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

COMPATIBILITY

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 4GB RAM Intel Core i5 or equivalent Graphic card with dedicated memory
Supported cameras	Cameras with an HDMI, DVI or USB 3.0/2.0 output
Software compatibility	UVC-compliant. Runs with all software compatible with DirectShow, AVFoundation and V4L2. Compatible with: Teams, Zoom, Webex, Google Meet, etc.

PHYSICAL DETAILS

Dimensions (W x L x H)	17.3 cm x 11.6 cm x 4.1 cm 6.81x 4.57" x 1.61"
Power supply	12V (100-240 VAC 50/60Hz to 12V/1.2A DC) – or – PoE source compliant with IEEE 802.3af (802.3at Type 1)
Weight	600 g (1.30 lb)
Package content	1x 1 m/3.3 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° to 45° C / 32° to 113° F
Storage temperature	-40° to 105° C / -40° to 221° F
Relative humidity	0% to 90% non-condensing

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TECHNICAL SPECIFICATIONS - CONT.

INFORMATION	
UPC code	051497302825
Origin	Canada
Warranty	2 years

CERTIFICATIONS	
HDCP-compliant	The device is HDCP-compliant. It will not decrypt BD/DVD movies, satellite/cable receivers, or other encrypted sources.
Certifications	FCC, CE, RoHS, IEC62368, SoV
TAA-compliant	Yes

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