Elevate your video meeting experience

poly · TECH TALK TUESDAY

INOGENI

Elevate your video meeting experience

Pro AV devices
MIX / SWITCH / CONVERT
Made in Canada

Designed & Manufactured in Canada

TAA COMPLIANT

Google Meet

webex by CISCO

zoom

INOGENI

COST-EFFECTIVE PRO-AV DEVICES
TO ENHANCE YOUR FAVORITE UC SYSTEMS

MIX

MULTI-CAMERA MIXERS-SWITCHERS
EDUCATION, COURT ROOMS

Seamless switching and mixing
2 to 4 USB/HDMI cameras

CAM 230

CAM 300

SHARE 2

SHARE 2U

CONVERT

CAPTURE CARDS | CONVERTERS
STABLE AND RELIABLE FRIENDLY TECHNOLOGY

4K HDMI/SDI to USB 3.0
Conversion of HDMI/SDI to USB 2/3 with control options

4K2USB3

4KXUSB3

U-CAM

SDI2USB3

SWITCH

BYOD | BYOM HOST SWITCHERS
VIDEO CONFERENCING

TOGGLE series
Automatic switching of 3 USB devices between the Room PC
and the laptop with one USB-C cable (100W)

TOGGLE

Laptop hub

TOGGLE ROOMS

TOGGLE ROOMS XT

Room PC hub

EXTEND

USB 2/3 EXTENDERS
EXTEND YOUR CAMERAS WITH TRUST

Up to 100 m/330 ft

PC Host

Device

U-BRIDGE 3

PC Host

Device

U-BRIDGE

Audio & Video

Compatible by design

PC & Room Systems

Streaming & Display

Pro AV devices
MIX / SWITCH / CONVERT

INOGENI

Camera Mixers & Switchers

SHARE2
Mix 2 HDMI camera to USB 3.0

SHARE2U
Mix 2 USB 2.0 or HDMI camera to USB 3.0 and HDMI

CAM300
2x USB 2.0 and 2x HDMI camera selector to USB 3.0 and HDMI

CAM230
2x USB 3.0 and 1x HDMI camera selector to USB 2.0 and HDMI

NEW!

REMOTE
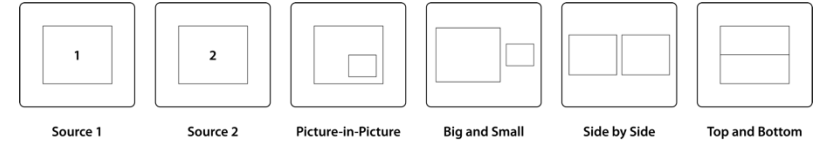Control keypad of SHARE2/2U, CAM230 & CAM300
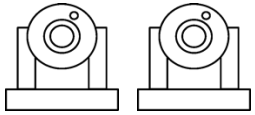
INOGENI

SHARE2U

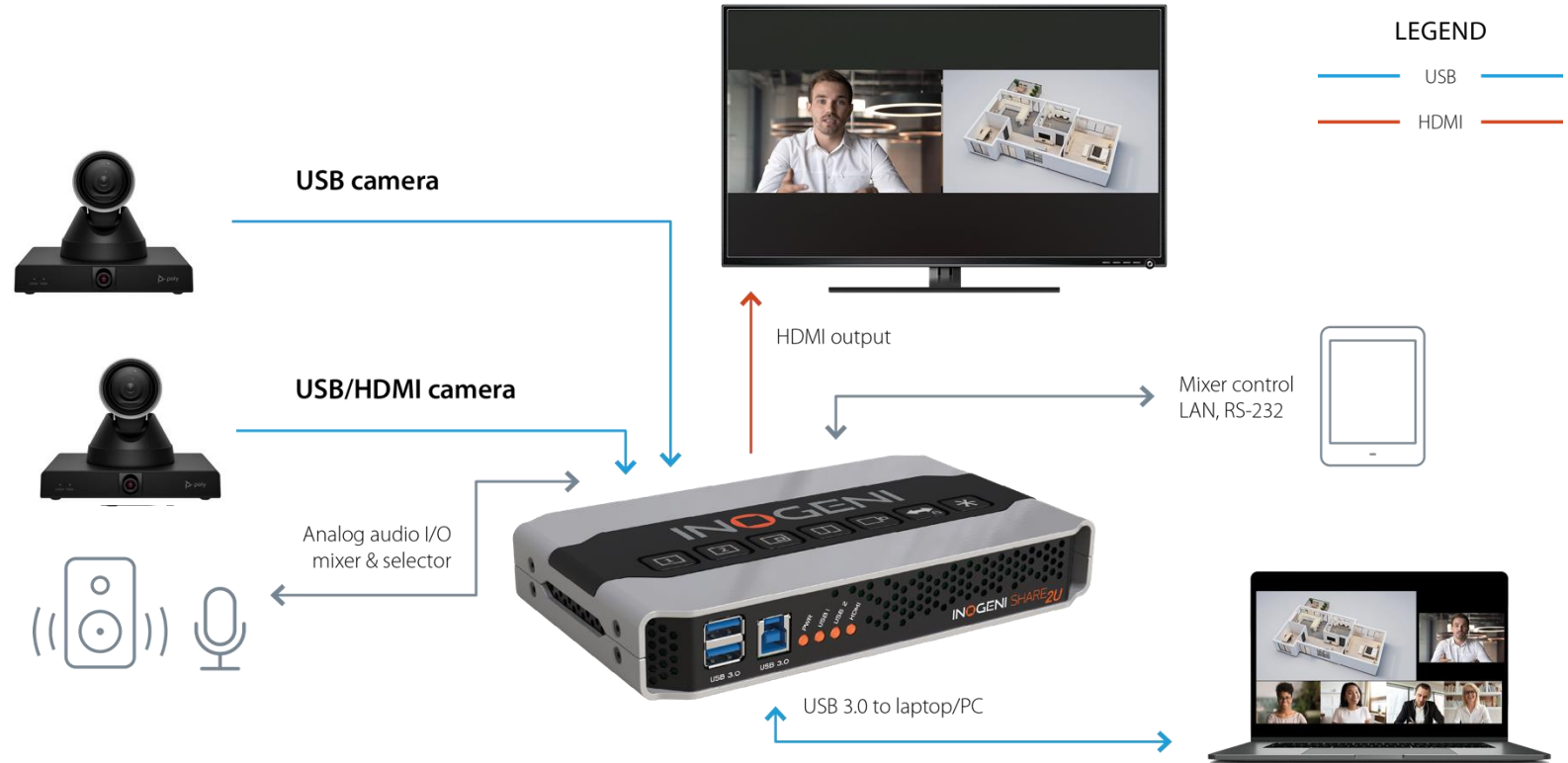Mix 2x USB 2.0 or HDMI camera
to USB 3.0 and HDMI + PTZ control

INOGENI

SHARE2U

Mix 2x USB 2.0 or HDMI camera to USB 3.0 and HDMI + PTZ control

Source 1   Source 2   Picture-in-Picture   Big and Small   Side by Side   Top and Bottom

**Easy Plug & Go mixer
for Picture-in-Picture
in one video flow**

- 2x USB 2.0 and 1x HDMI
- Audio I/O
- USB 3.0 output
- LAN/RS-232 control options
- Compatible by design with all apps

USB camera

USB/HDMI camera

Analog audio I/O
mixer & selector

HDMI output
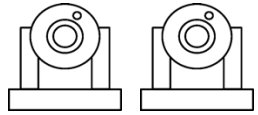
Mixer control
LAN, RS-232

USB 3.0 to laptop/PC

LEGEND
USB

HDMI

SHARE2U

Mix 2x USB 2.0 or HDMI camera
to USB 3.0 and HDMI + PTZ control

Energize your videoconference and
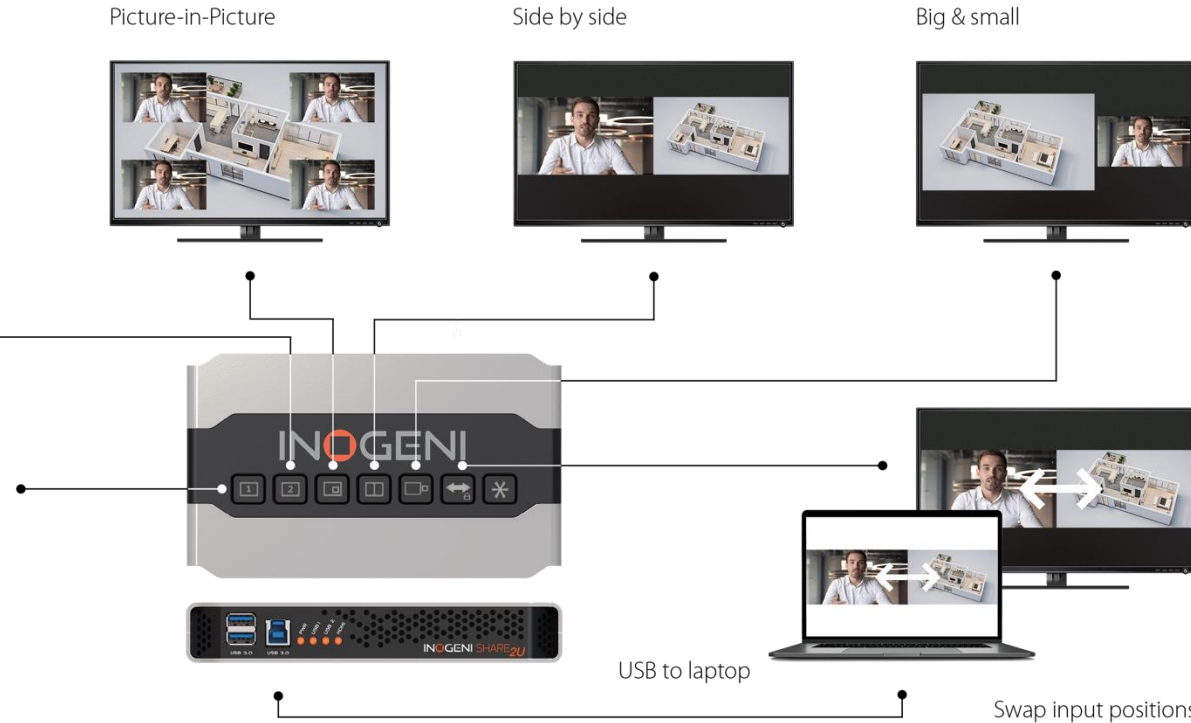classroom presentations

Full cam 2   Picture-in-Picture   Side by side   Big & small

Full cam 1

USB to laptop

Swap input positions

INOGENI

SHARE2U

Mix 2x USB 2.0 or HDMI camera to USB 3.0 and HDMI + PTZ control

Q-SYS CERTIFIED TECHNOLOGY

Compatible with ClickShare BARCO

USB 3.0 expansion ports

USB 3.0 to laptop/PC

Input status

PWR · USB 1 · USB 2 · HDMI

USB 3.0

USB 3.0

INOGENI SHARE 2U

LEGEND

———	USB
———	HDMI
———	RS-232
———	LAN

5V
R T SW
LAN   RS-232   HDMI OUT   IN 1   USB 2.0   IN 2   HDMI   AUDIO IN   OUT   12V DC/1A

Analog audio I/O mixer & selector

LAN Mixer control

RS-232

HDMI output to screen

2x USB 2.0 cameras

HDMI camera or PC

USB cameras or HDMI video content capabilities

Google Meet

zoom Rooms

BARCO ClickShare

INOGENI

Setup
INOGENI & POLY

- Poly G7500 CODEC
- INOGENI SHARE2U
- 2x Poly Studio E60 USB cameras
- 1x generic HDMI camera
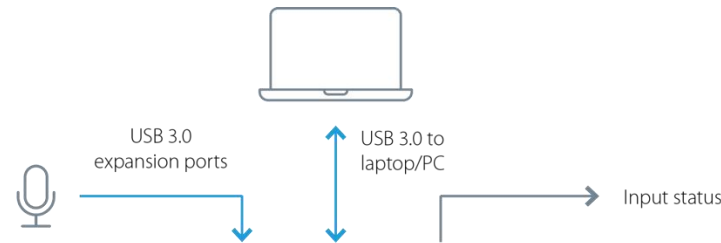
Ability to mix and switch between cameras seamlessly

SHARE2U

Mix 2x USB 2.0 or HDMI camera
to USB 3.0 and HDMI + PTZ control

Q-SYS CERTIFIED TECHNOLOGY

Compatible with ClickShare BARCO

Lecture room

USB camera

Crestron

Presenter Audio I/O
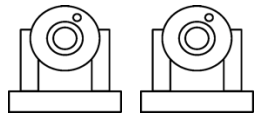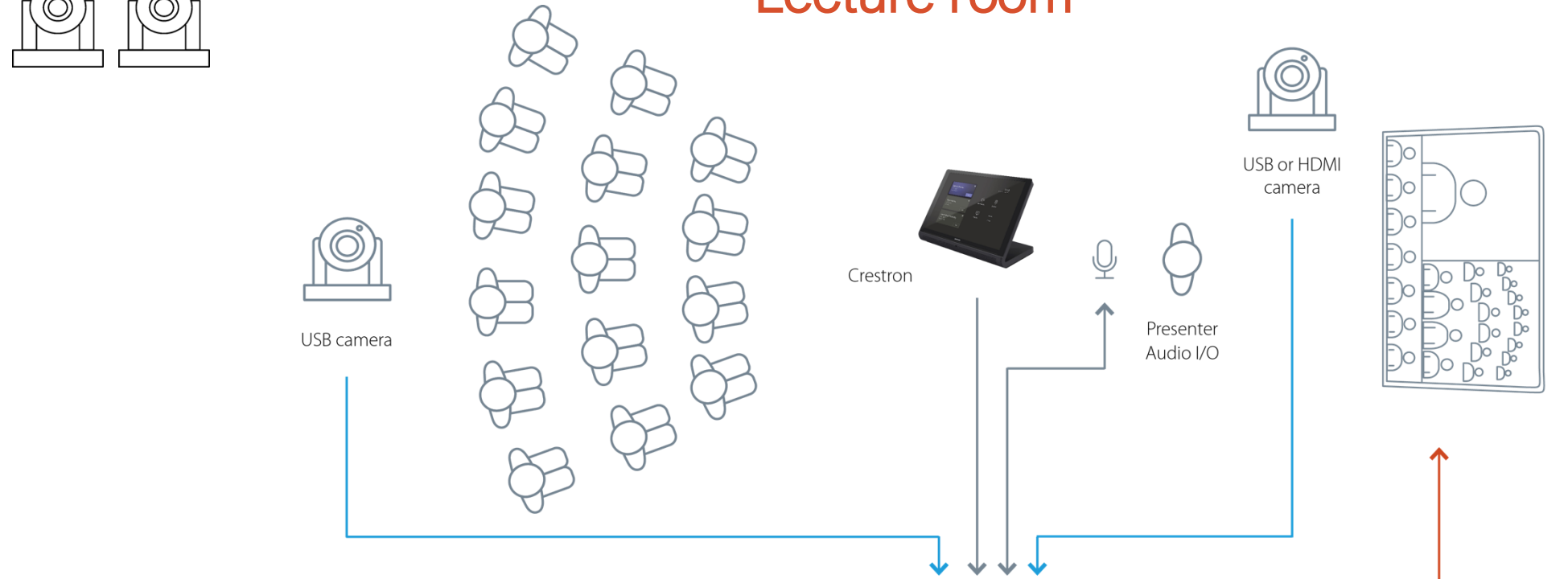
USB or HDMI camera

Content in one stream to Poly or soft CODEC like Zoom or Teams

SHARE2U

USB 3.0 to PC

HDMI output

LEGEND

— USB —

— HDMI —
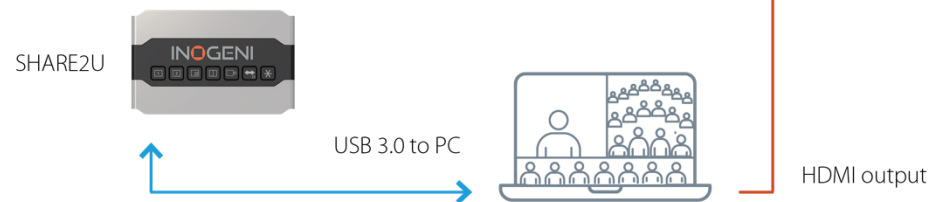
Microsoft Teams   zoom Rooms   Google Meet   BARCO ClickShare   INOGENI

Multi camera switcher
Flexible classrooms or
collaborative meetings

CAM230

2x USB 3.0 and 1x HDMI
camera switcher
to USB 2.0 or HDMI

CAM230

2x USB 3.0 + 1x HDMI camera switcher to USB 2.0 or HDMI
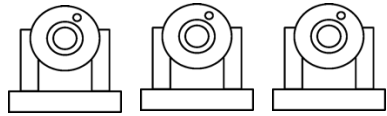
Easy Plug&Go camera switcher

- Seamless switch between 2x USB 3.0/2.0 and 1x HDMI sources
- Simultaneous HDMI & USB 2.0 output
- USB/HDMI embedded audio
- LAN/RS-232 control options
- PTZ controls
- Powered by PoE
- Compatible by design with all apps

USB 3.0/2.0 camera

USB 3.0/2.0 camera

HDMI camera

HDMI

Video & Audio output

USB 2.0

Video 1080p30
Audio I/O

LEGEND
—— USB ——
—— HDMI ——

CAM230

2x USB 3.0 + 1x HDMI camera selector to USB 2.0 or HDMI

Q-SYS CERTIFIED TECHNOLOGY

Compatible with ClickShare — BARCO
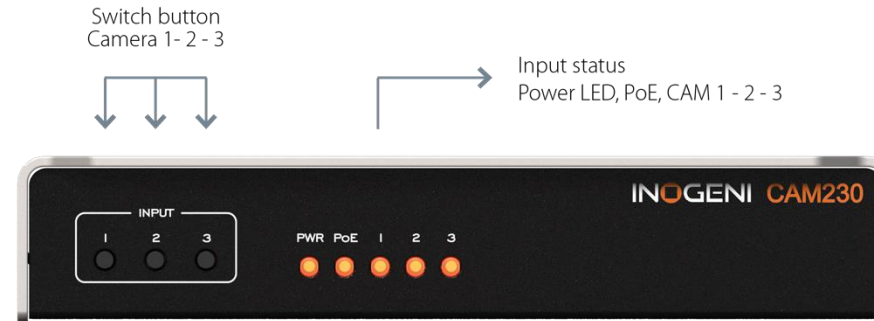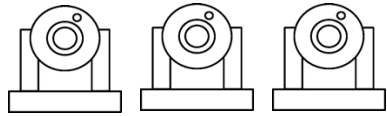
MSRP $895.00

Stock available now!

Switch button
Camera 1- 2 - 3

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

INOGENI CAM230

INPUT
1 2 3

PWR PoE 1 2 3

HDMI OUT   USB2.0 OUT   USB3.0 INPUT   HDMI   RS232   LAN / PoE   12 VDC
                          1   2   3   5V
                                          R   T SW

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
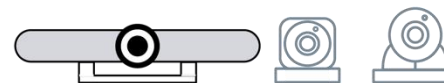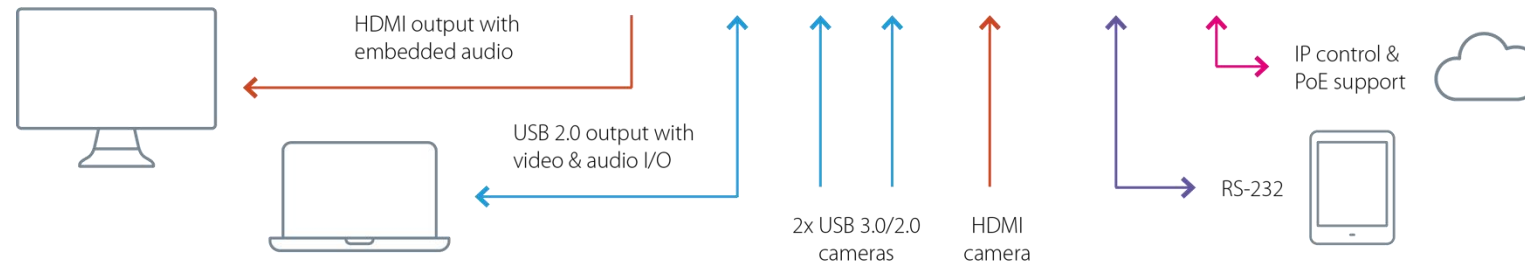
RS-232

Supports videobars, USB cameras, and bidirectional audio

LEGEND

── USB	── LAN /PoE
── HDMI	── RS-232

Teams   zoom Rooms

Google Meet   BARCO ClickShare

INOGENI

TOGGLE UCC switchers

INOGENI

TOGGLE

USB BYOM switcher with dual camera mixer

USB camera

USB speakerphone

PC 1

Room PC

TOGGLE

PC 1

PC 2

SEL

INOGENI

1

2

3

Auto/Button switcher

SHARE2U camera mixer

INOGENI SHARE2U

USB camera

USB or HDMI camera

ZOOM Rooms

LEGEND

USB
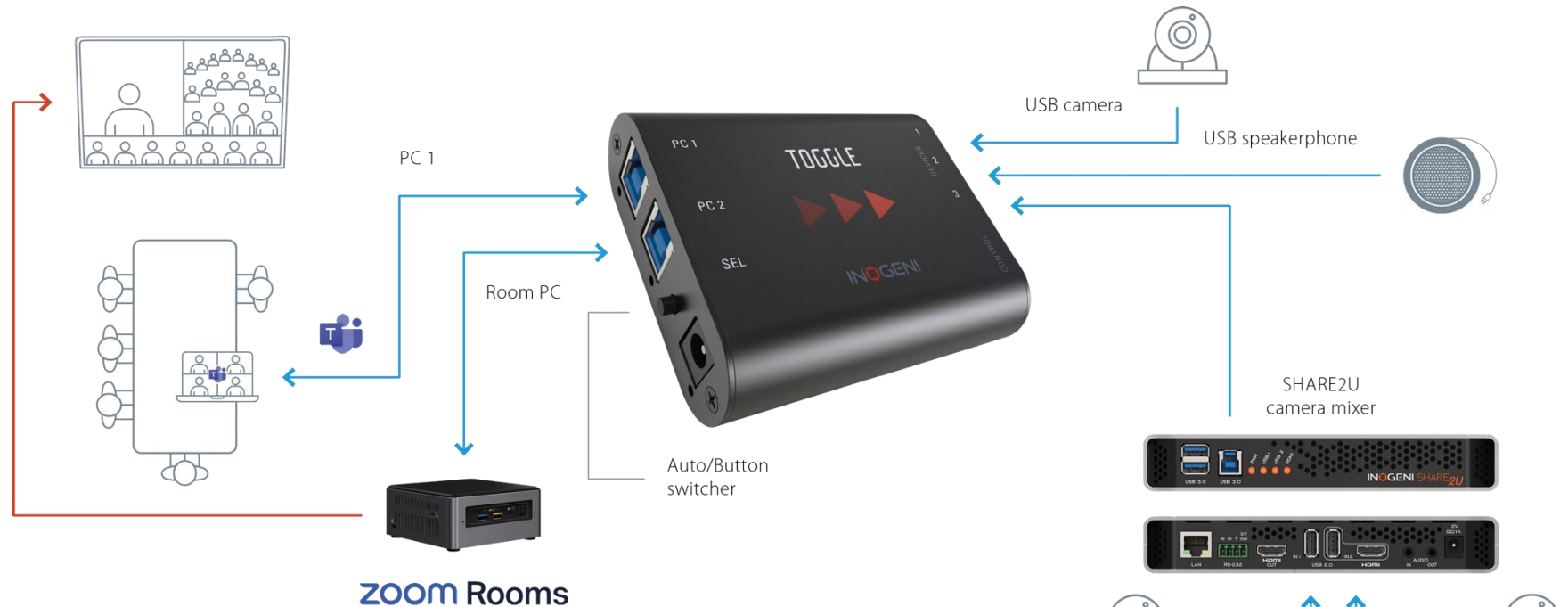
HDMI

RS-232 control

3x USB 3.0/2.0

USB Host Switch
- Auto-switch
- Controllable by RS-232 & GPI

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NEW TOGGLE ROOMS

INOGENI

INOGENI TOGGLE ROOMS

LAPTOP HOSTS THE MEETING   PWR

best of show 2024
AT ISE 2024
Winner
AVTECHNOLOGY

best of show 2024
AT ISE 2024
Winner
SOUND&VIDEO CONTRACTOR

Own the room!
BYOD/BYOM switcher
One USB-C cable – 100W

100W charging

USB 3.0 5Gbps

4K 60 FPS

5K 30 FPS
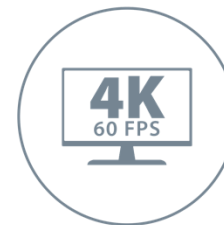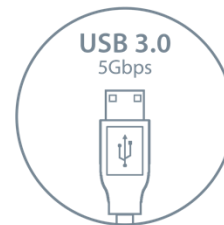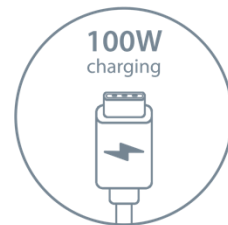
NEW TOGGLE ROOMS

USB/HDMI VIDEOCONFERENCE HOST SWITCHER
4K BYOD/BYOM: 3x USB 3.0, HDMI display and share outputs to 2 PCs switcher

Own the room!
With one USB-C cable

- 1.8-meter USB-C cable included
- USB-C solutions tested up to 10 meters
- Over 10 meters: an INOGENI solution will be developed for summer 2024 release

Under the table installation
Mounting hardware included

4K60 in 16:9
5K30 in 21:9
Monitor

HDMI sharing content

Touch panel with optional HDMI ingest

USB speakerphone

Push button for BYOM

Laptop hosts the meeting

Microsoft Teams

zoom

Google Meet

USB

HDMI

USB

HDMI

HDMI

USB-C 100W

TOGGLE ROOMS
Under the table installation
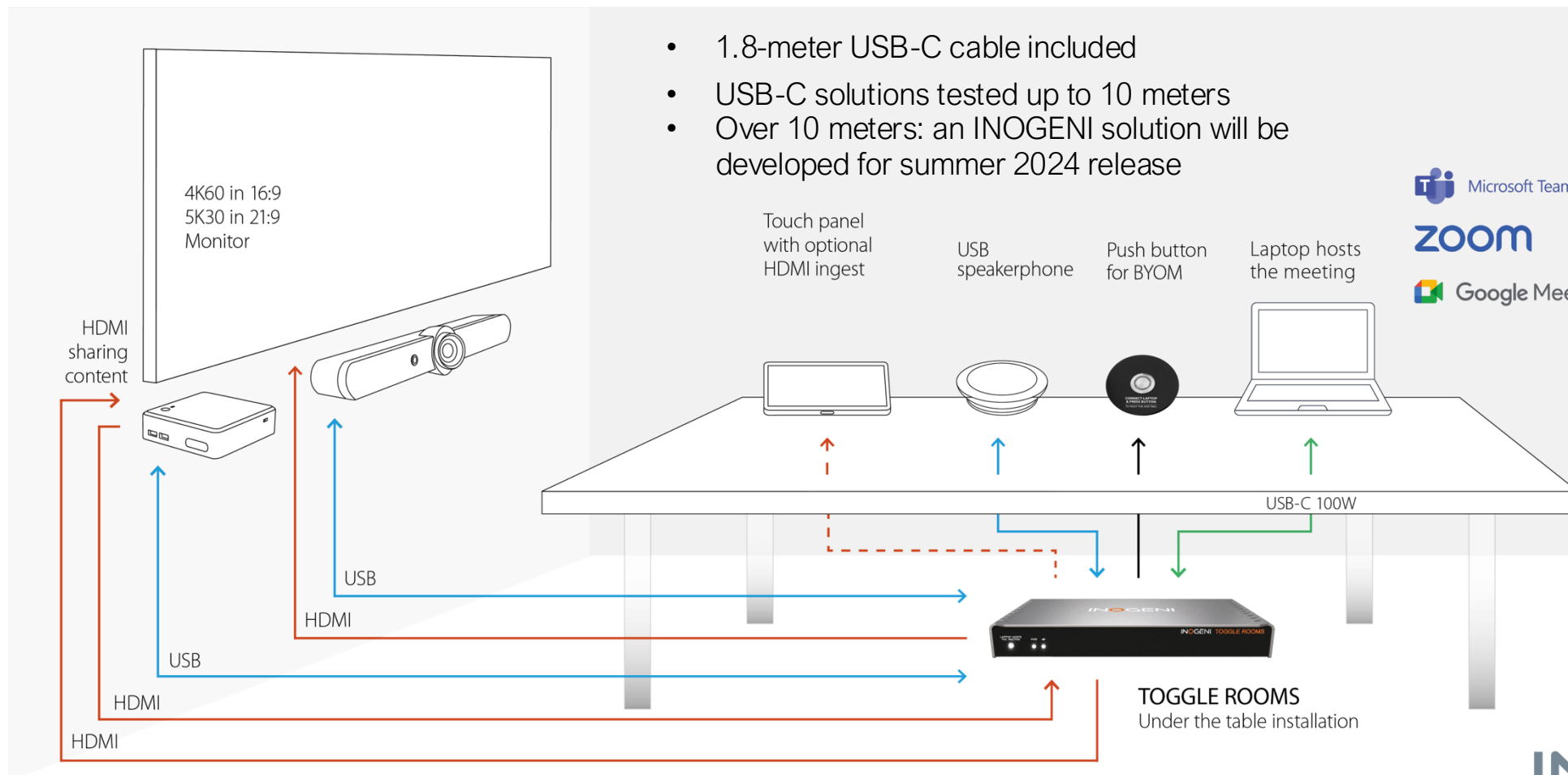
INOGENI

TOGGLE ROOMS

USB 3.0/HDMI devices to 2 PCs switcher

INOGENI + poly

With Poly Studio Room Kit with HP Mini Conferencing PC
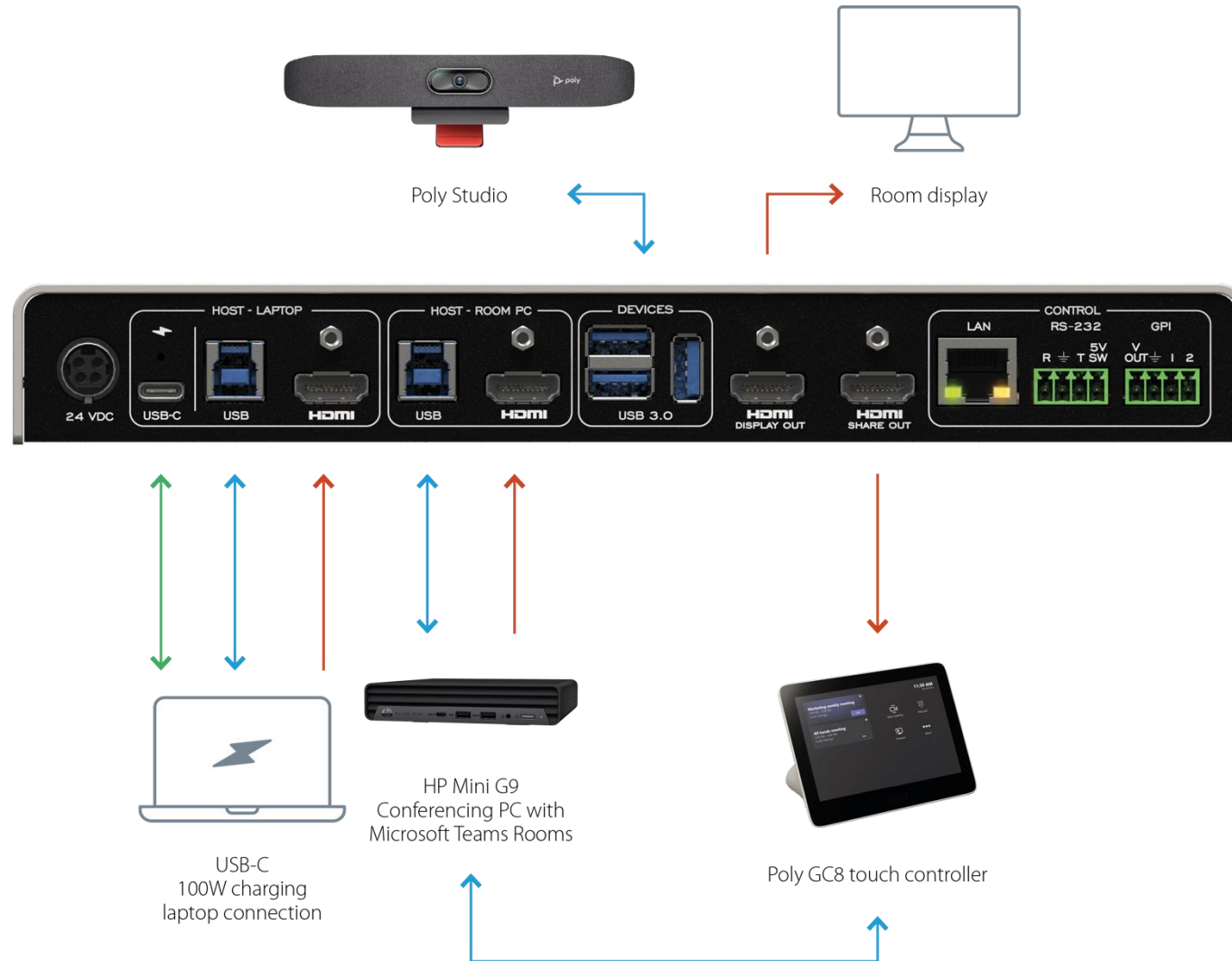
Poly Studio

Room display

HOST - LAPTOP   HOST - ROOM PC   DEVICES   CONTROL
LAN   RS-232   GPI

24 VDC   USB-C   USB   HDMI   USB   HDMI   USB 3.0   HDMI DISPLAY OUT   HDMI SHARE OUT   R ⊥ T SW   5V OUT ⊥ 1 2

USB-C
100W charging
laptop connection

HP Mini G9
Conferencing PC with
Microsoft Teams Rooms

Poly GC8 touch controller

LEGEND

USB-C

USB

HDMI

INOGENI

NEW TOGGLE ROOMS XT

USB/HDMI VIDEO CONFERENCE HOST SWITCHER

4K BYOD/BYOM for large room: 3 host switcher for USB/HDMI devices with an extension

4K60 in 16:9
5K30 in 21:9
monitor

HDMI sharing content

Touch panel with optional HDMI ingest

USB speakerphone

INO–BUTTON KIT
Push button for BYOM

Laptop hosts the meeting

Microsoft Teams
ZOOM
Google Meet

HDMI · HDMI · USB · HDMI · USB

USB-C 100W

Wireless presentation/ conference capable

HDMI

USB

TOGGLE ROOMS XT
Room PC hub
Behind the display installation

TOGGLE ROOMS XT
Laptop hub
Under the table installation

CAT6A cable extension up to 70 m (230 ft)
From the main Room PC to the laptop device

LEGEND

USB-C — USB — HDMI

2024 BEST IN MARKET PRO AV AVTECHNOLOGY WINNER

2024 BEST OF SHOW InfoComm SOUND & VIDEO CONTRACTOR WINNER

2024 BEST OF SHOW InfoComm AVTECHNOLOGY WINNER

TOGGLE ROOMS XT

Switch button
Laptop hosts the meeting

Power and charging status

Switch button
Laptop hosts the meeting

Power

INOGENI TOGGLE ROOMS XT

LAPTOP HOSTS
THE MEETING   PWR

LAPTOP

INOGENI TOGGLE ROOMS XT

LAPTOP HOSTS
THE MEETING   PWR

ROOM PC

HDBaseT: CAT6A extension of up to 70 m @ 4K30, 40m @ 4K60

TO ROOM PC   HOST - LAPTOP   DEVICES   CONTROL
                                          GPI
                                        V
                                        OUT ÷ 1 2

24 VDC   LINK   USB-C   USB   HDMI   HDMI
                                          LAPTOP OUT   USB 2.0

TO LAPTOP   HOST - ROOM PC   DEVICES   LAN   CONTROL
                                                 RS-232   GPI
                                                 5V
                                                 R ÷ T SW   V
                                                             OUT ÷ 1 2

24 VDC   LINK   USB   HDMI   USB 3.0   HDMI   HDMI
                                           DISPLAY OUT   SHARE OUT

24V power
supply

Touch panel
with optional
HDMI ingest

GPI/button
interface

24V power supply

3x USB 3.0

HDMI display output

GPI

LAN
interface

RS-232 &
remote
interface

USB   HDMI

2x USB 2.0

USB-C
100W charging
laptop connection   **AND/OR**

USB   HDMI
laptop
connections

Room PC
connections

HDMI share output
from laptop

HOST 1   HOST 2

HOST 3

INOGENI

IP CONTROL of the TOGGLE ROOMS & TOGGLE ROOMS XT
THE NEW MAESTRO LAN WEB PAGE

MAESTRO LAN web page

- Streamline firmware updates
- Monitor real-time status
- configure devices
- **TOGGLE ROOMS XT** comes preloaded with the new MAESTRO LAN web page functionality. — No updates needed!
- **TOGGLE ROOMS** – Requires new Firmware 1.25 for product shipped before January 20, 2025.

TOGGLE ROOMS INO – HOST BUTTON
to trigger a BYOM

- **Enables easy switching between 2 PCs**
- Anodized metal button with LED ring and terminal block hardware.
- Linked to TOGGLE ROOMS through a simple CAT cable (not included) using terminal block connections.
- Illuminated indicator when BYOM mode activated
  - Cameras, audio, videobar and display are connected to the laptop for a BYOM meeting.
- Connectivity via TOGGLE ROOMS GPI interface.

INOGENI

1.8-meter USB-C cable included in the TOGGLE ROOMS package

Over 10 meters: an INOGENI solution will be available soon.

Tested USB-C cables list:

BRAND	MODEL	LENGHT	CHARGING POWER	USB 2.0	USB 3.0	4K30 VIDEO + USB 3.0 SUPPORT	4K60 VIDEO	USB TIERS
INOGENI	INO-USBC-2M100W	6 ft./1.8 m	100W/5A	✅	✅	✅	✅	✅
Kramer	CA-USB31/CC-15	15 ft./4.58 m	60W/3A	✅	✅	✅	✅	✅
Lightware	CAB-USBC-T300A	9.8 ft./3 m	60W/3A	✅	✅	✅	✅	✅
Lightware	CAB-USBC-T500B	16.4 ft./5 m	60W/3A	✅	✅	✅	✅	✅
Extron	USBC Pro/30	30 ft./9.1 m	60W/3A	✅	✅	✅	⚠️ 4K30 maximum	⚠️ 2 tiers added

INOGENI

USB 3.0/2.0
Capture cards
& Converters

ZOOM Certified

ZOOM Certified

ZOOM Certified

ZOOM Certified

LOOP OUT   4KXUSB3   4K
IN
USB 3.0-2.0
AUDIO   IN
OUT
RX GND TX   VISCA
INOGENI

4K2USB3
4K   USB 3.0-2.0
4K
INOGENI

HD2USB3
1080P60   USB 3.0-2.0
4K Upgradable
INOGENI

LOOP   SDI2USB3
3GSDI   USB 3.0-2.0
INOGENI

INOGENI

U-CAM

USB camera & audio to HDMI converter

INOGENI

U-CAM
INOGENI + ◢ poly

- Poly G7500 or X70 CODECs
- 1x INOGENI U-CAM
- 1x Huddly Canvas

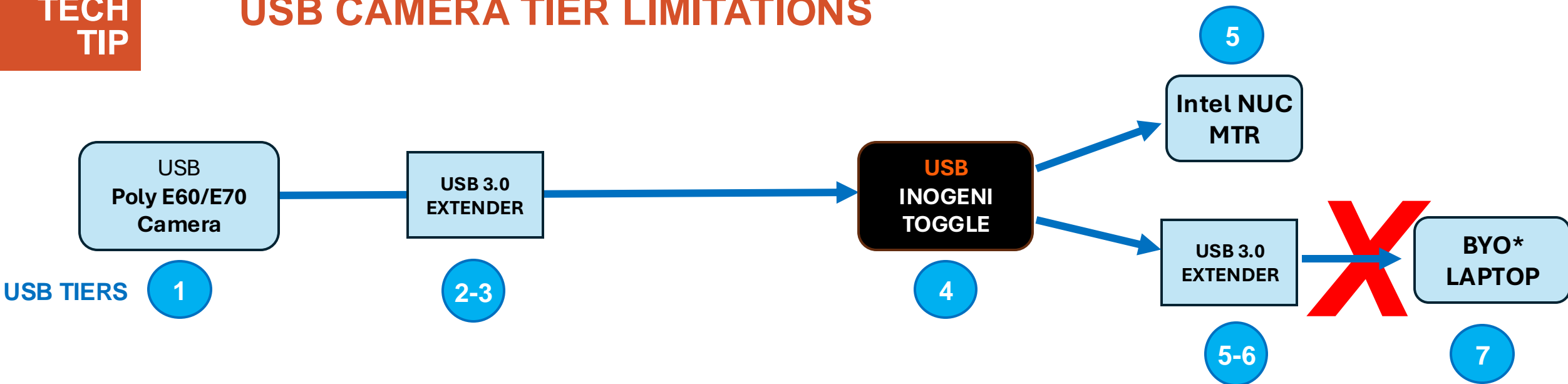HUDDLY CANVAS WHITEBOARD CAMERA

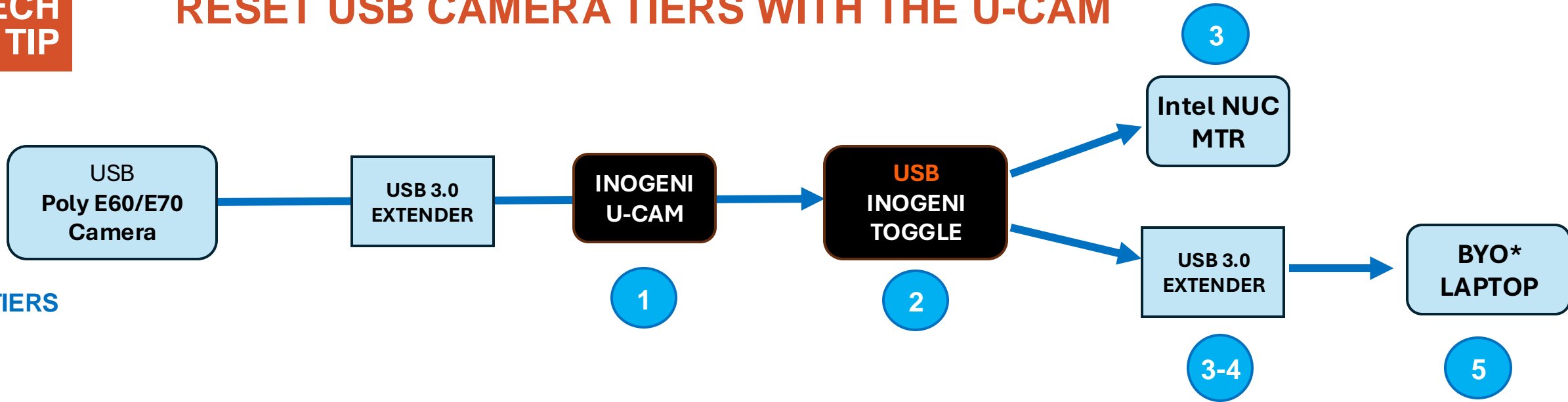USB 3.0 / 2.0

HDMI
4K

◢ poly

INOGENI

RESET USB TIERS WITH THE U-CAM

No more Tiers

U-CAM

1 USB 3.0-2.0 2

INOGENI

HDMI

RESET USB CAMERA TIERS WITH THE U-CAM

USB TIERS

USB
Poly E60/E70 Camera → **USB 3.0 EXTENDER** → **INOGENI U-CAM** (1) → **USB INOGENI TOGGLE** (2) → **Intel NUC MTR** (3)

USB INOGENI TOGGLE → **USB 3.0 EXTENDER** (3-4) → **BYO* LAPTOP** (5)

No more Tiers

USB CAMERA AND AUDIO →

VIDEO & AUDIO OUT
USB 2.0 TIERS RESET to **1**

1 USB 3.0-2.0
2

U-CAM

INOGENI   HDMI

U-CAM Tier Reset

Key Considerations

• **Limited Camera Control:** Intelligent camera features (speaker tracking, auto-framing) are not supported in Teams or Zoom.

• **Device Visibility:** Some applications on the PC may not detect the end-camera when U-CAM is in the signal path.

• **Compatibility Scope:** Works only with camera and audio devices—HID interfaces (e.g., touchscreen controls) are not translated.

• **Clarification on Functionality:** U-CAM does not reset all USB tiers; it re-encodes video and audio into a new USB composite device.

• USB Output of U-CAM Limited to 1080p30

4K2USB3

INOGENI + poly

- Poly G7500 CODEC
- 1x INOGENI 4K2USB3 HDMI to USB 3.0 converter

Ability to ingest HDMI feeds into CODEC using a USB connection.
G7500 CODEC ready!

HDMI

USB

INOGENI

SDI2USB3

3G-SDI to USB 3.0 video
converter (+ loop)

ZOOM Certified

SDI loop output

LOOP

SDI2USB3

3GSDI

USB 3.0-2.0

INOGENI

USB 3.0/2.0 to host

SDI input

zoom Rooms   Google Meet   BARCO ClickShare   INOGENI

U-BRIDGE 3
NEW USB 3 EXTENDER

Device

PC Host

NEW
U-BRIDGE 3.
USB EXTENDER

USB 3.0
multi-device extender

U-BRIDGE 3
NEW USB 3 EXTENDER

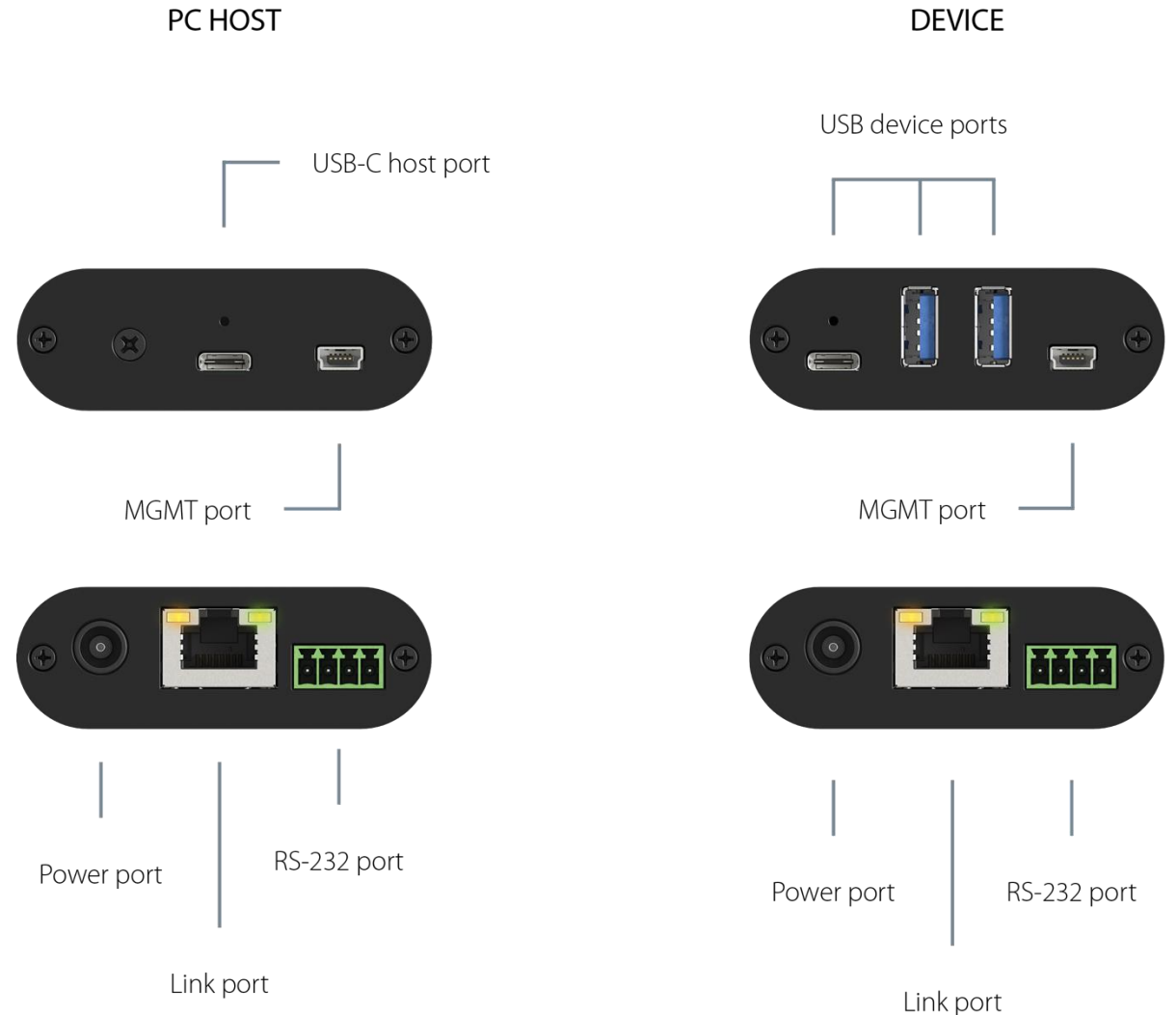Extend USB 3.0 up to 100 m / 330 ft
over a single CAT6A cable.

PC host

U-BRIDGE 3.0
USB 3.0 Extender over CAT6A
PC HOST
HOST   MGMT

U-BRIDGE 3.0
USB 3 Extender over CAT6A
DEVICE
DEVICES
1   2   3   MGMT

All USB devices

poly

**Powered by either
PC HOST or DEVICE side**

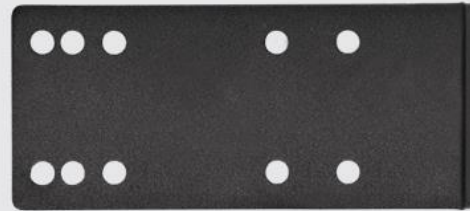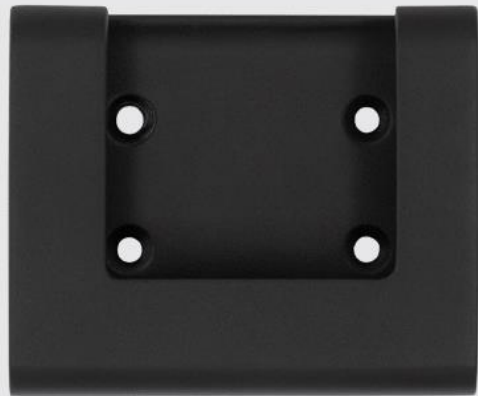# U-BRIDGE 3
NEW USB 3 EXTENDER

USB 3.0 Multi-device extender

- USB 3.2 Gen 1. Backward compatible with USB 3.1 Gen 1/3.0/2.0
- 4K video camera and audio extender enables SuperSpeed connections.
- Reliable long-distance USB camera extension maintains high-quality, uncompressed video.
- DEVICE ports: 3x USB3 (5Gbps) (2x USB-A and 1x USB-C).
- PC HOST port: lockable USB-C (5Gbps) connector.
- LINK: Up to 100 m/330 ft over a single CAT6A cable.
- Powered by either PC HOST or DEVICE.
- RS-232 extension for VISCA or control.
- TAA compliant and made in Canada.

PC HOST

USB-C host port

MGMT port

Power port

RS-232 port

Link port

DEVICE

USB device ports

MGMT port

Power port

RS-232 port

Link port

INO-MOUNT
Included in the U-BRIDGE 3 box

U-BRIDGE 3

I/O T R LINK 24 VDC
RS-232

1 Extender

INOGENI

DEVICE

INO-MOUNT
For all INOGENI
Converters
MSRP $ 25

4KX-PLUS 4K

USB 3.0-2.0

INOGENI

G62 Codec Tech Notes

INOGENI + poly

Here is the compatibility we have tested with Poly G62:
(Firmware fix targeted for Mid-February for incompatibility)

- 4K2USB3: Not compatible
- 4KXUSB3: Compatible USB3.0 only w/FW V1.87
- 4KX-PLUS: Compatible USB3.0 only w/FW V1.87
- HD2USB3: Compatible USB3.0 only
- SDI2USB3: Compatible USB3.0 only
- SHARE2: Compatible
- SHARE2U: Compatible
- CAM300: Compatible
- CAM230: Compatible
- U-CAM: Compatible
- TOGGLE: Compatible
- TOGGLE ROOMS: Compatible
- TOGGLE ROOMS XT: Compatible
- U-BRIDGE: Compatible
- U-BRIDGE 3: Compatible

Contact details

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INOGENI

Q&A

INOGENI

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