

For End Users

Market Focus:
Higher Education

May 2026

About Lumens

Lumens Digital Optics Inc., founded in 1998 and part of the PEGATRON Group, is a leader in optical and Pro AV solutions. Helping our customers grow and creating value for them is at the core of Lumens' philosophy — and that's why your success is always our focus



M2 - Higher Education Scenarios

Lumens technology creates student-centered interactive classrooms that are immersive and can adapt to a variety of teaching methods. Lumens hybrid classroom solution combines the best of traditional face-to-face classroom teaching with new approaches to online learning.



M2-01. Classrooms



M2-02. Lecture Halls



M2-03. Hybrid Teaching Classrooms



M2-04. Seminar Rooms



M2-05. Multi-purpose Rooms

M2-01. Classrooms



Recommended Solutions

S01 Automated Voice Tracking



S02 BYOD & BYOM



S03 Multi-Point BYOM

S04 IP to USB



S05 Recording and Live Streaming



S06 Motion Tracking

S07 Audio Routing

M2-02. Lecture Halls



Recommended Solutions

S01 Automated Voice Tracking



S02 BYOD & BYOM



S03 Multi-Point BYOM

S04 IP to USB



S05 Recording and Live Streaming



S06 Motion Tracking



S07 Audio Routing



M2-03. Hybrid Teaching Classrooms



Recommended Solutions

S01 Automated Voice Tracking	✓
S02 BYOD & BYOM	✓
S03 Multi-Point BYOM	
S04 IP to USB	✓
S05 Recording and Live Streaming	✓
S06 Motion Tracking	
S07 Audio Routing	✓

M2-04. Seminar Rooms



Recommended Solutions

S01 Automated Voice Tracking



S02 BYOD & BYOM



S03 Multi-Point BYOM

S04 IP to USB



S05 Recording and Live Streaming



S06 Motion Tracking



S07 Audio Routing



M2-05. Multi-purpose Rooms



Recommended Solutions

S01 Automated Voice Tracking



S02 BYOD & BYOM



S03 Multi-Point BYOM

S04 IP to USB



S05 Recording and Live Streaming



S06 Motion Tracking



S07 Audio Routing



Lumens[®]

Solutions

AV Solutions

Integrated solutions that deliver an exceptional user experience

Lumens provides complete solutions with our cameras, media processors and AV over IP product range.



S01. Automated Voice Tracking



S02. BYOD & BYOM



S03. Multi-Point BYOM



S04. IP to USB



S05. Recording and Live Streaming



S06. Motion Tracking



S07. Audio Routing



S01

Lumens[®]

Automated Voice Tracking

AI-based Voice Tracking Technology

What is Automated Voice Tracking?

With speaker tracking, cameras focus on participants in a room. By automatically moving to focus on the active voice, speaker tracking transforms the remote experience, delivering instant meeting equity, greater engagement, and more meaningful interactions.

The multi-camera Lumens CamConnect Pro is spearheading the meeting room revolution, with AI-based auto-tracking and speaker tracking technology. CamConnect Pro pairs with directional microphone arrays and up-to 4 Lumens IP cameras to switch and focus cameras on the active speaker.

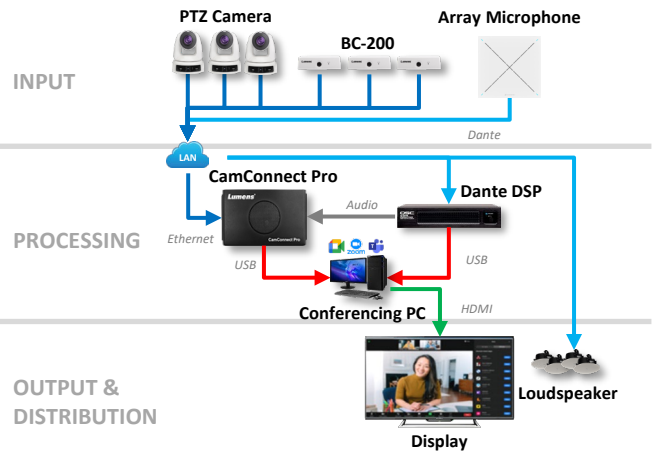
CamConnect Pro pairs with microphone systems from major manufacturers including Audio-Technica, Nureva, Sennheiser, Shure, Televic and Yamaha.

S01 Automated Voice Tracking

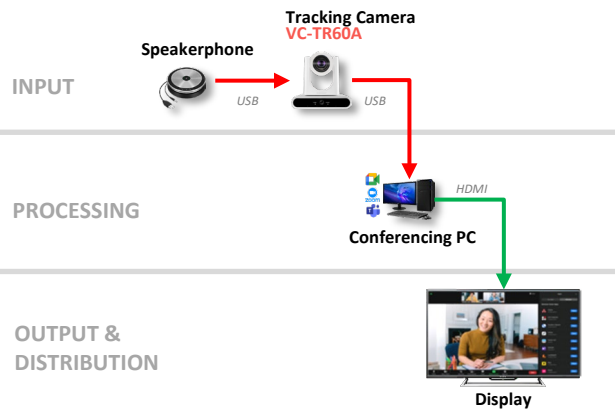
AI-based Voice Tracking Technology



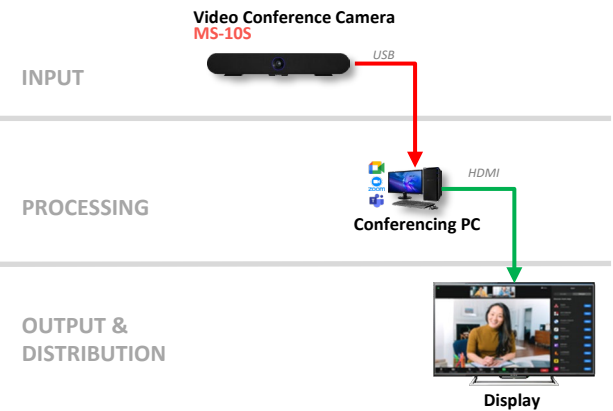
AT01 CamConnect 200 Scalable Multi-Camera Deployment



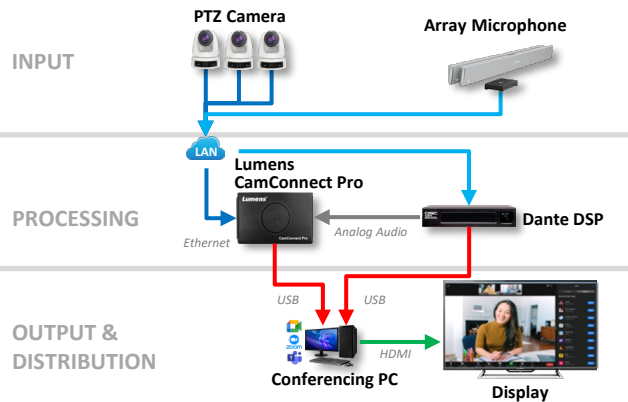
AT02 VC-TR60A Voice-Tracking PTZ Voice-Activated Room Deployment



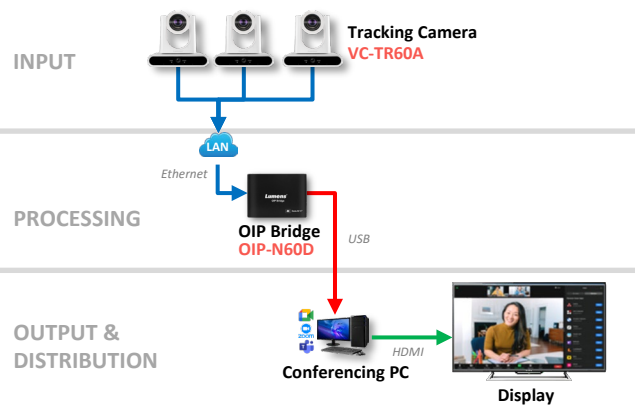
AT03 MS-10S 4K Integrated 4K Sound Bar All-in-One Tracking Upgrade



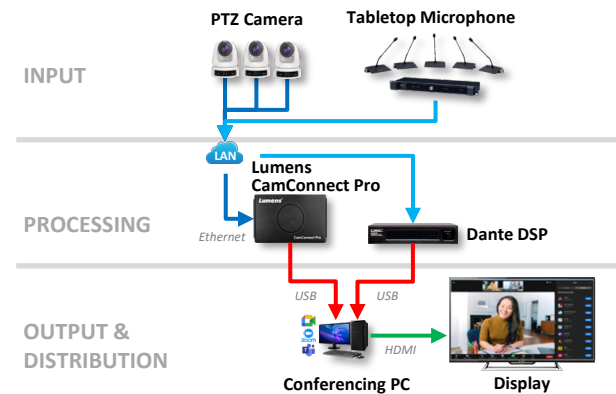
AT04 CamConnect 100 Multi-Camera Automation with Nureva



AT05 VoiceConnect IP-Based Voice Tracking Deployment



AT06 CamConnect 100 Televic Conference Video Communications System



S02

Lumens[®]

BYOD & BYOM

Bring Your Own Device & Bring Your Own Meeting

What is BYOD & BYOM?

In a BYOD & BYOM meeting space, participants simply plug in their own laptop and run a video conferencing session using the room's installed AV.

Lumens' BYOD & BYOM solution is designed for maximum flexibility. It allows the AV team to install microphones and PTZ cameras in any position for use in the meeting. And it operates autonomously – simply turn the system on and the meeting will run with superb sound and expertly framed video.

Lumens supports audio and video transmission in a range of popular formats including RTSP, Dante AV-H, Dante Audio and NDI.

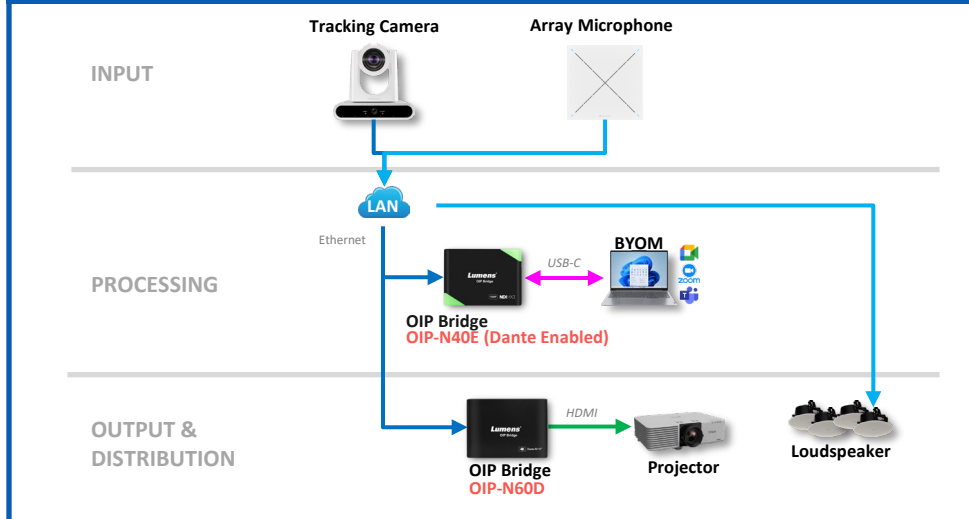


S02 BYOD & BYOM

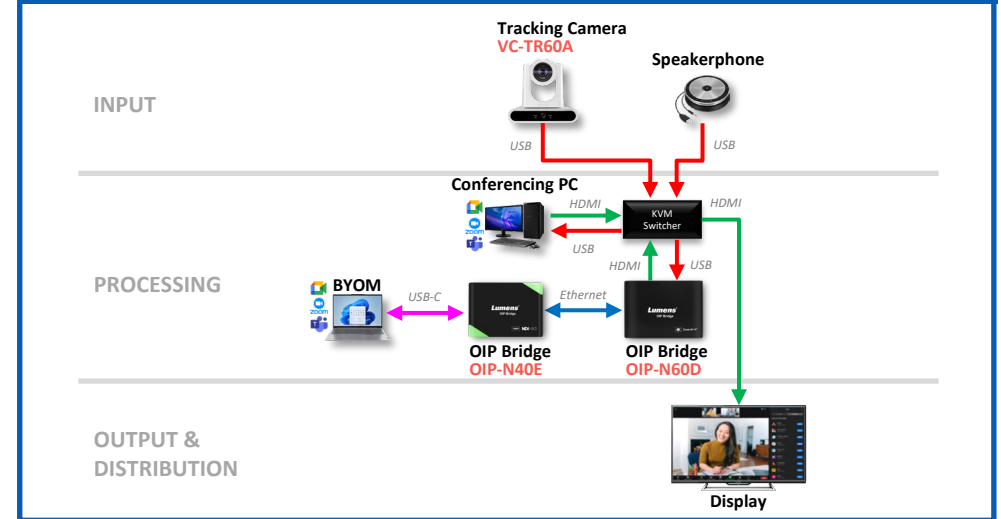
Bring Your Own Device & Bring Your Own Meeting



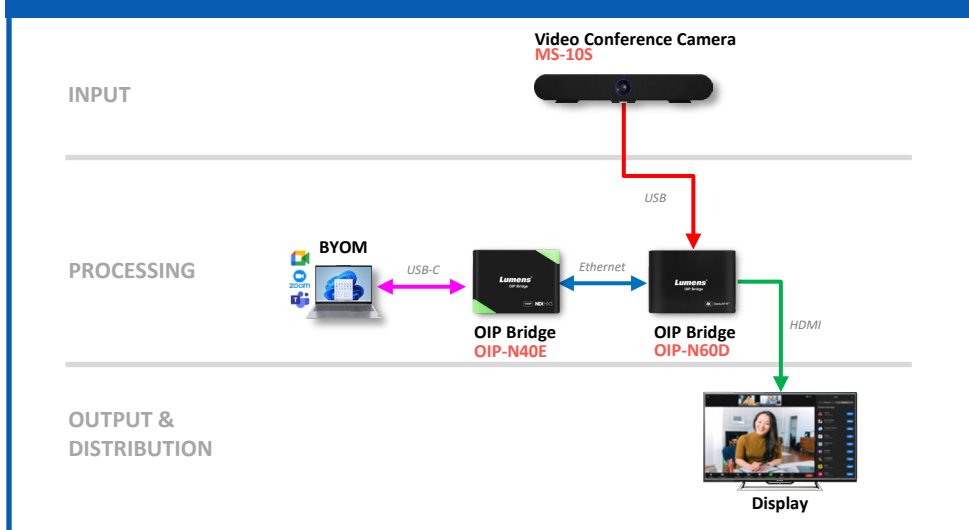
BY01 Dante BYOM Dante-Based Ceiling Array BYOM



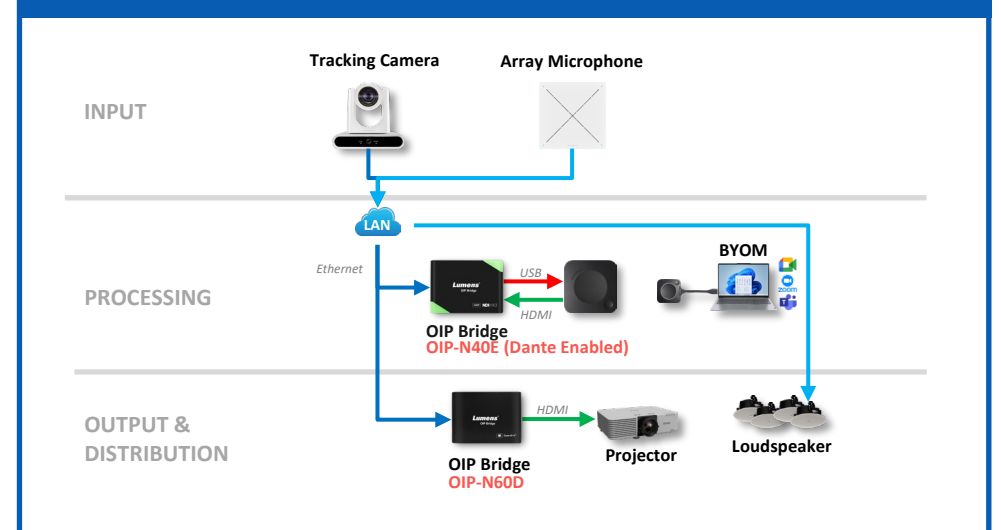
BY02 BYOM USB Extension Enterprise AV-over-IP Extension



BY03 BYOM USB Extension Soundbar Collaboration Upgrade



BY04 Wireless BYOM Barco ClickShare





S03

Lumens[®]

Multi-Point BYOM

Connect From Any Seat, At Any Time

What is Multi-Point BYOM?

Lumens OIP connects all BYOM stations, enabling users to host meetings or share content from any device while sharing the same camera, room microphones, and displays for a flexible collaboration experience.

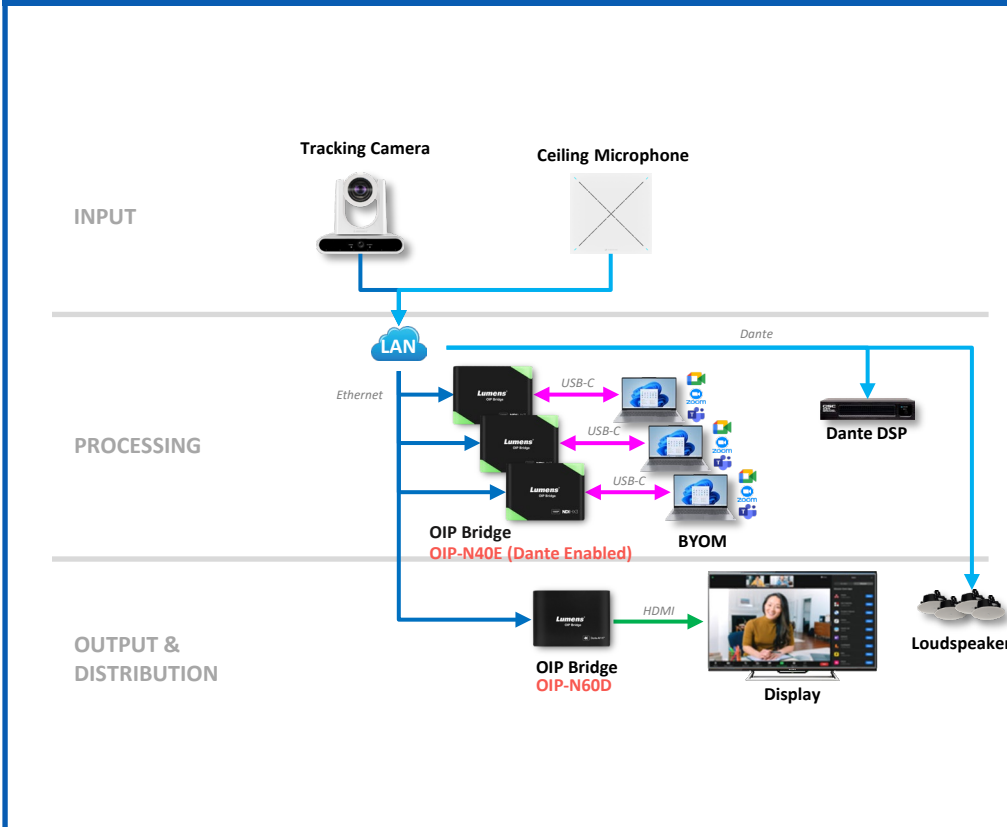
This unified architecture streamlines device switching and ensures a consistent AV experience across the room, making collaboration effortless regardless of where users choose to connect.

Lumens OIP devices rely on the simplicity and versatility of USB-C and its DisplayPort capabilities. This single connection transmits video and audio bi-directionally and enables instant screen extension and sharing.

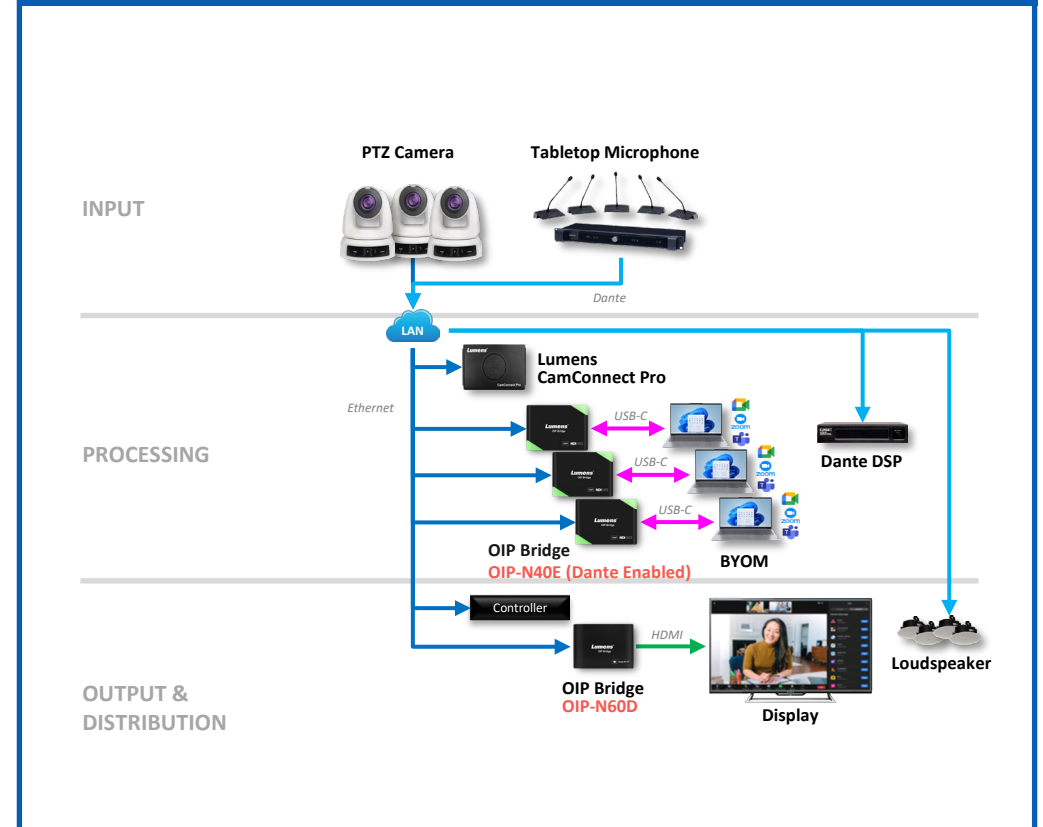
S03 Multi-Point BYOM

Connect From Any Seat, At Any Time

MP01 USB BYOM Bridge Ceiling Array Multi-Point BYOM



MP02 USB BYOM Bridge Conference System Multi-Point BYOM



S04

Lumens®

IP to USB

Single Cable Integration with Conferencing Systems

What is IP to USB?

You can now build an all-IP meeting room thanks to Lumens. The OIP-N60D Dante decoder connects to your network and converts IP video and Dante audio streams to USB. It allows a single USB-C port on a laptop to connect to the AV installed in the room.

As a Dante device, the decoder is visible to Audinate's management apps, including Dante Controller. With this application, high quality audio and video streams can be routed to USB-C with very low latency.

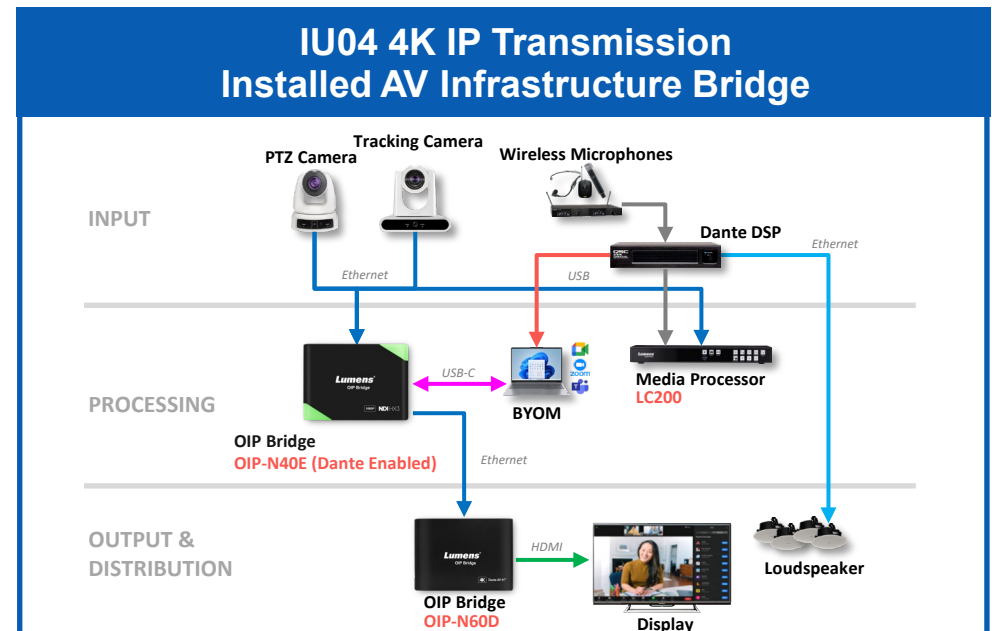
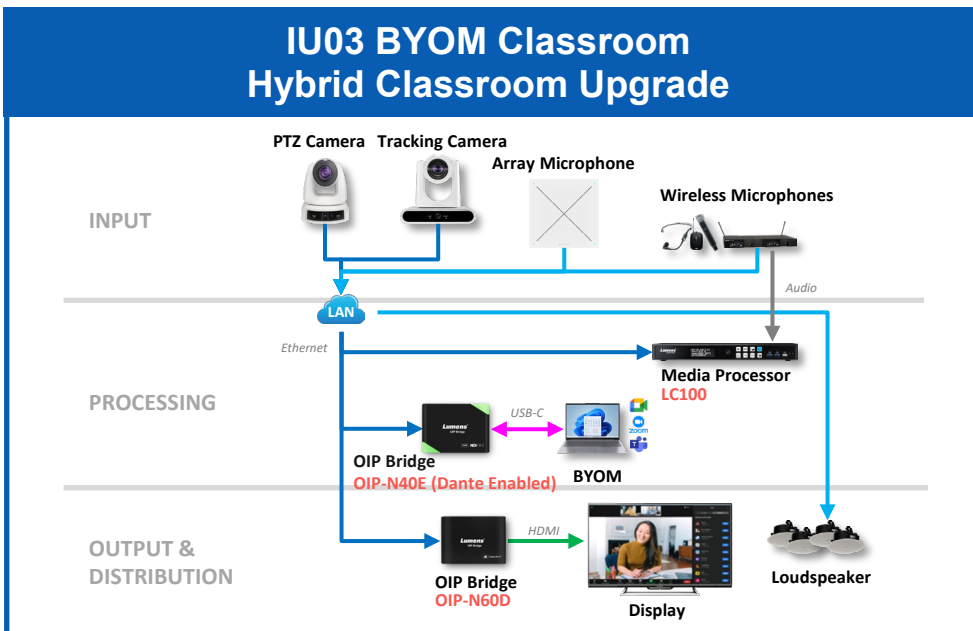
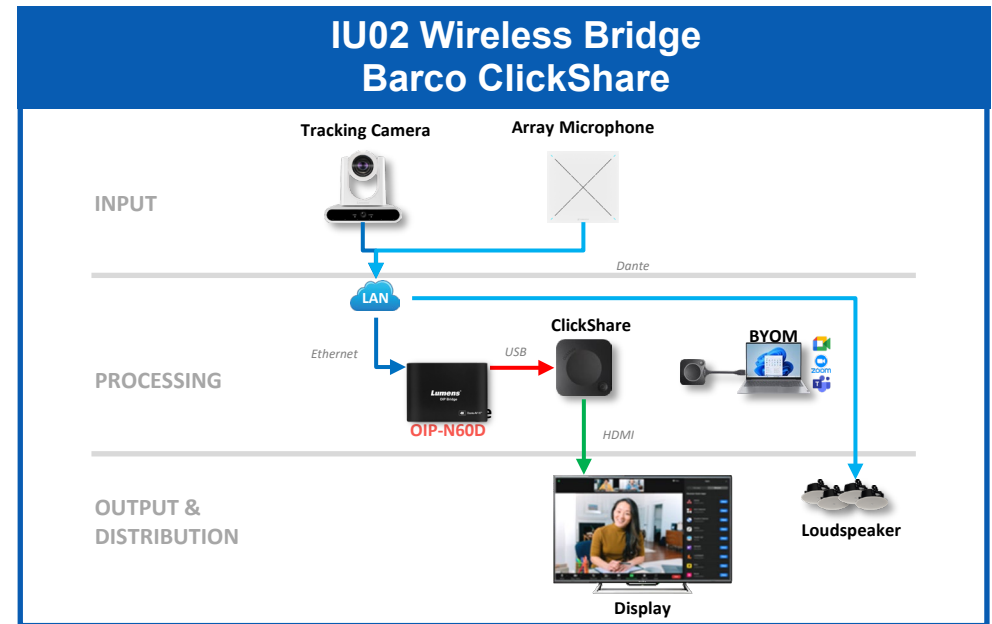
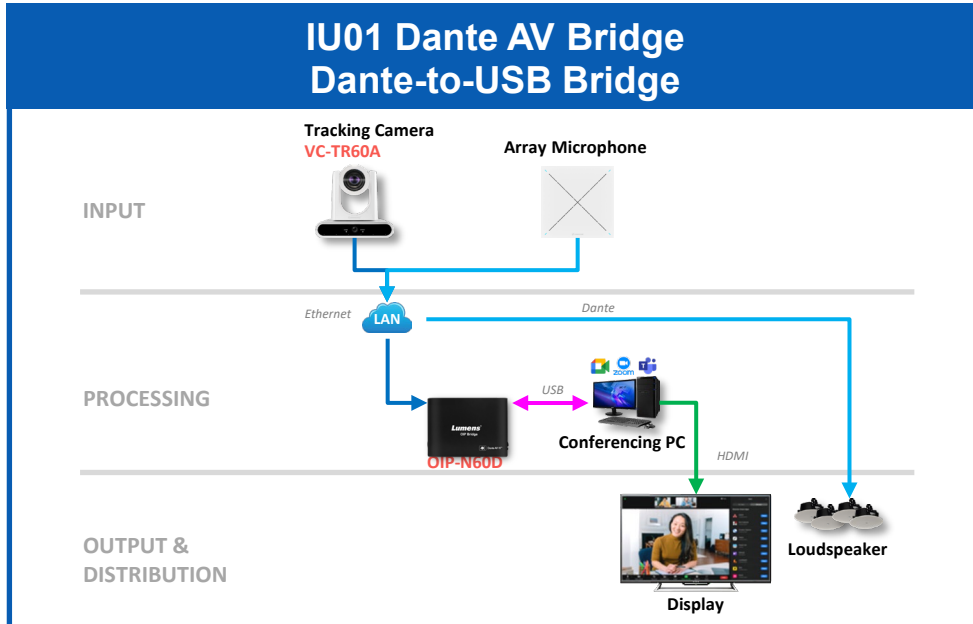
Say goodbye to USB and HDMI cable length limitations and help reduce the pressure on the AV team to support every meeting. Prepare for a single cable user experience and high-quality 4K output to large format monitors.



S04 IP to USB



Single Cable Integration with Conferencing Systems





S05

Lumens[®]

Recording and Live Streaming

All-in-one multi-input media production systems

What is Recording and Live Streaming?

Conferences, training, departmental meetings and business presentations often need to be recorded or streamed for on-demand review, secure archiving, training, or real-time participation. Lumens CaptureVision media processors support multi-channel video and audio recording while also enabling seamless live streaming to platforms like YouTube, Twitch, and Facebook.

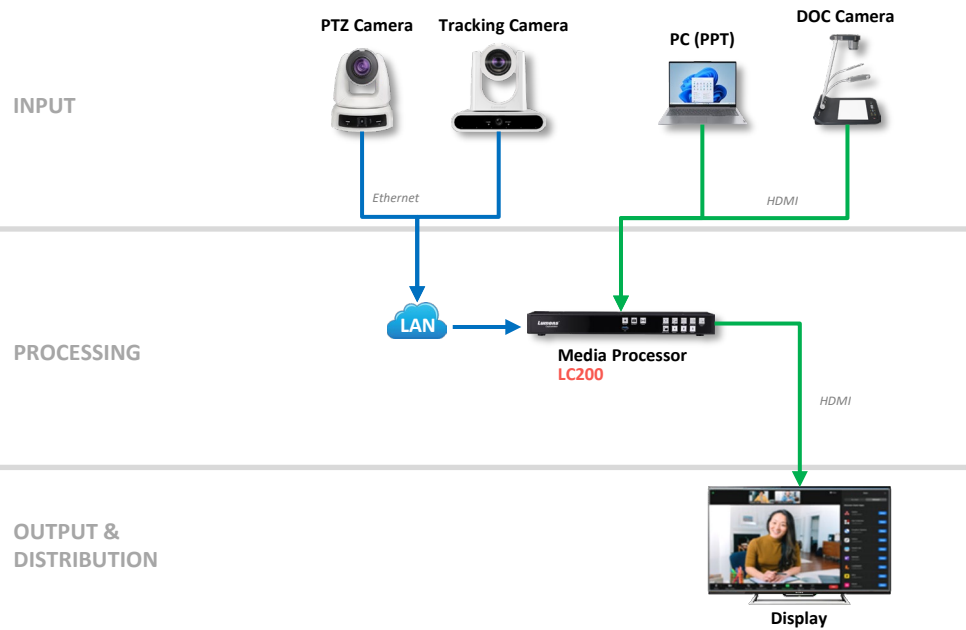
Users can easily capture speaker video, presentation content, and audience reactions, switch sources in real time, and deliver a professional live experience without requiring a production crew. Compatible with leading content management systems such as Panopto and Kaltura, CaptureVision allows recorded sessions to be uploaded and organized effortlessly for future playback and documentation.

CaptureVision units feature multiple inputs including IP, NDI, XLR, HDMI, SDU and USB. Easy to use, these all-in-one units are ready for all kinds of applications.

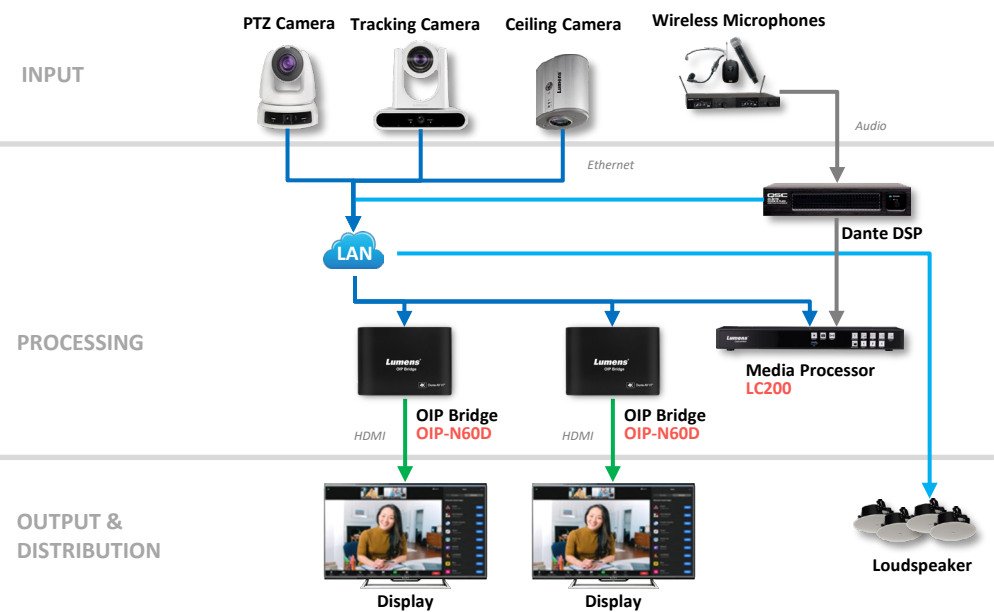
S05 Recording and Live Streaming

All-in-one multi-input media production systems

RS01 CaptureVision Lecture System Lecture Capture Upgrade



RS02 CaptureVision Event System Multi-Channel Live Production





S06

Lumens[®]

Motion Tracking

Automated Production

What is Motion Tracking?

CaptureVision systems from Lumens simplifies the process of event production. The Intelligent Director function goes one step further, fully automating the entire process.

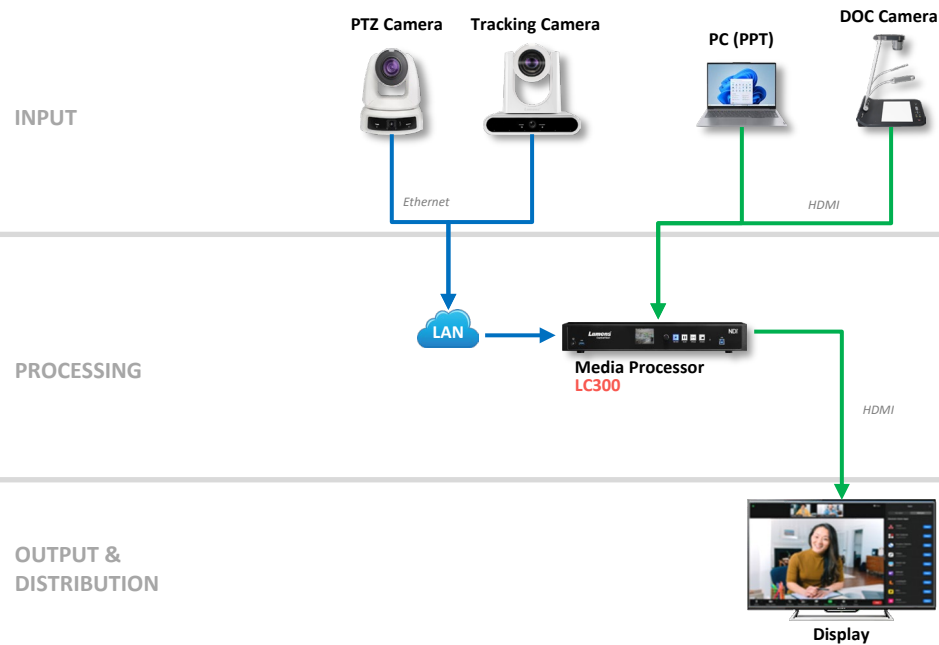
Intelligent Director automates your production, whether it's in a classroom, seminar space or lecture hall. This function analyzes the behavior of the presenter and the audience to intelligently produce a multi-camera production - automatically.

AI-powered, the LC300 CaptureVision system works in tandem with selected Lumens tracking cameras to create a dynamic multi-angle production. It's like creating television, but without the need for a video crew.

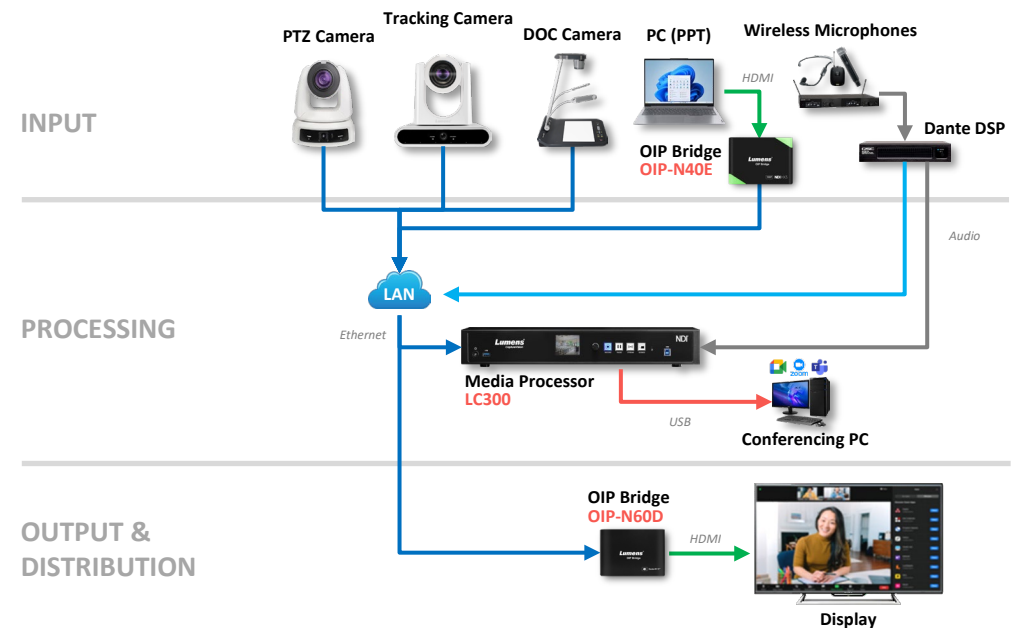
S06 Motion Tracking

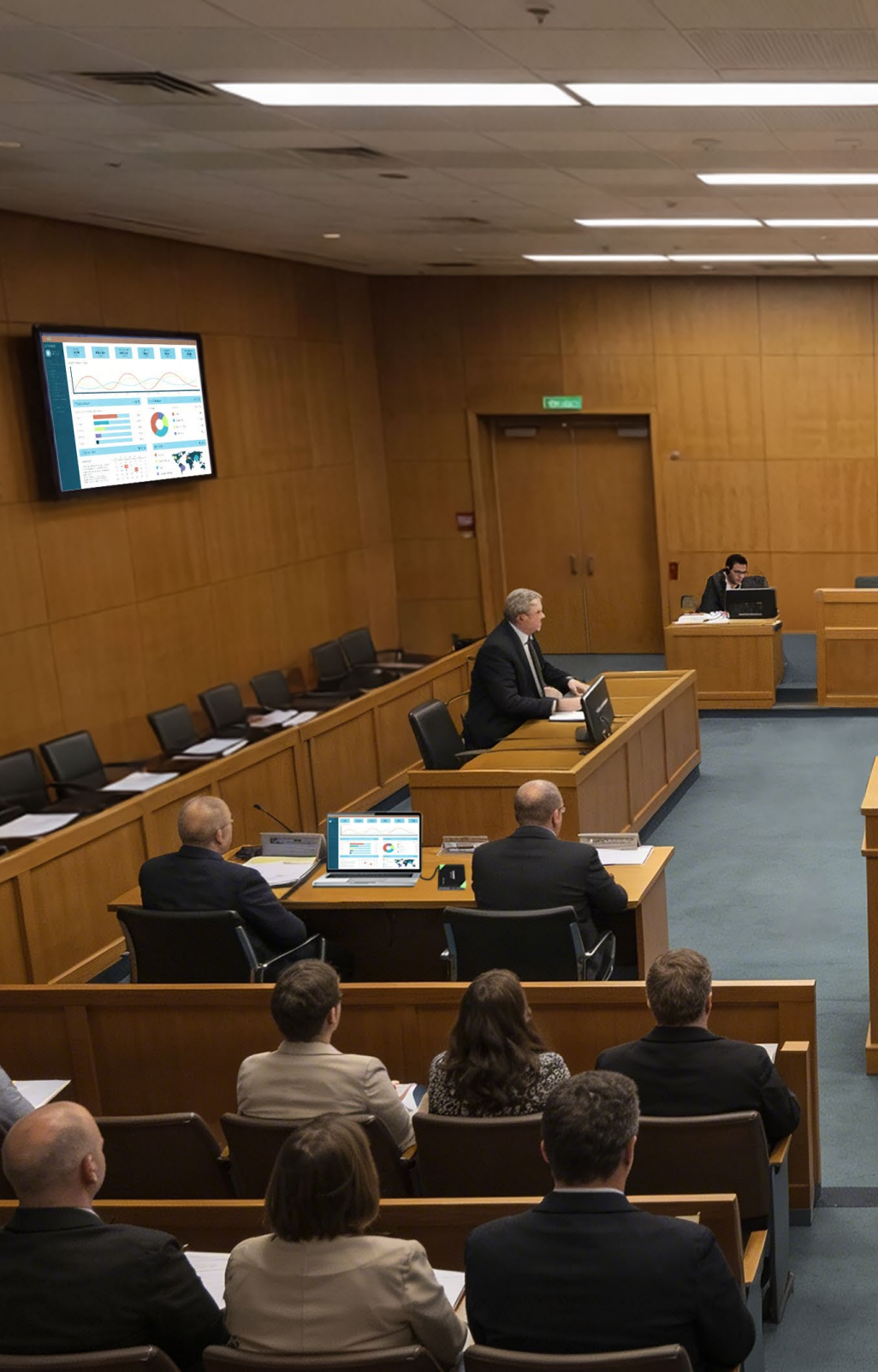
Automated Production

ID01 Intelligent Director Automated Production Upgrade



ID02 Intelligent Director AI-Driven Session Production





S07

Lumens[®]

Audio Routing

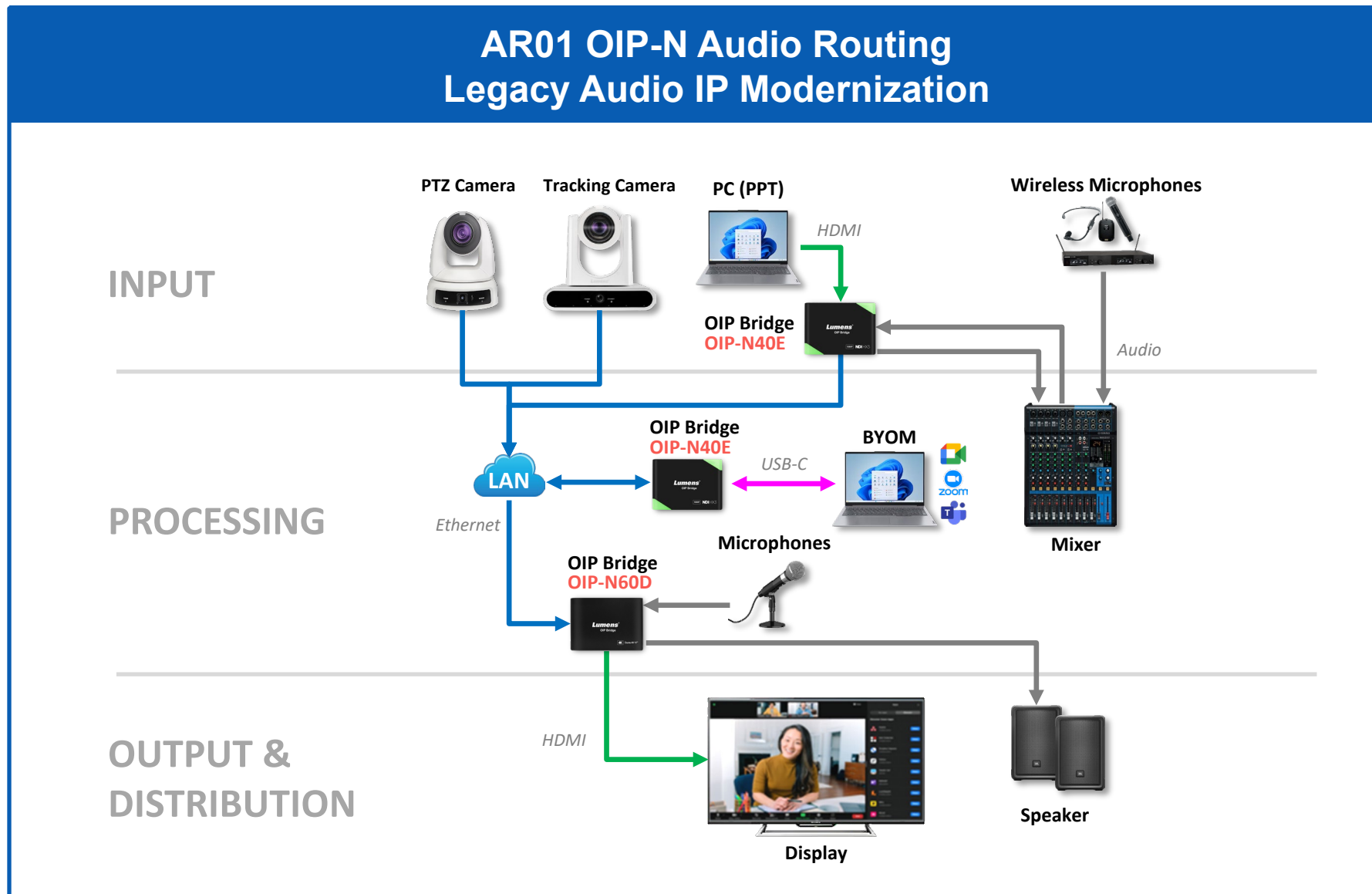
Audio and Video over IP

What is Audio Routing?

OIP-N Audio Routing is designed to bridge between traditional analog audio systems, computer interfaces and modern IP-based infrastructures. It allows enterprises and institutions to easily convert existing audio and video equipment to IP for efficient network transmission.

S07 Audio Routing

Audio and Video over IP



More Details



Contact Sales

Provides product consultation, project planning, and quotation support.



Book a Live Demo

Provides online or onsite live demo appointment scheduling.



ProAV Lab Blog

Provides ProAV use cases, technical articles, and deployment insights.



Download Documents

Provides catalogs, solution brochures, and technical documents for download.



Lumens YouTube

Provides product introductions, tutorials, and customer success videos.