

Application Introduction

For End Users

June 2025

About Lumens

Lumens® Digital Optics Inc.,
a PEGATRON Group company,
is a leader in optical and Pro AV products.

About Lumens Solutions

Integrated solutions that deliver an exceptional user experience by
seamlessly integrating with Lumens products and those of other AV brands.



Applications

Lumens[®]

01

Corporate



Scenario

Medium Conference Rooms
Large Conference Rooms
Boardrooms
Training Rooms
Multipurpose Rooms

02

Higher Education



Scenario

Classrooms
Lecture Halls
Hybrid Classrooms
Seminar Rooms
Multipurpose Rooms

03

Government



Scenario

Conference Rooms
Seminar Rooms

04

Courtroom



Scenario

Courtrooms

01 - Corporate

Lumens®
Your Success, Our Focus

As a leader in the AV market, Lumens provides business with high-quality video conferencing solutions. Invest in Lumens to improve employee productivity, lower travel costs, increase sustainability and enhance communication.



**1. Medium
Conference Rooms**



**2. Large
Conference Rooms**



3. Boardrooms



4. Training Rooms



**5. Multi-purpose
Rooms**

01 - Corporate

Lumens®

Medium Conference Rooms

- ☑ S01 — Speaker Tracking
- ☑ S02 — BYOM
- ☑ S04 — IP to USB Conversion

Whether you want cameras to track a discussion, plug in your laptop to run the meeting, or share your screen via USB, this solution gives users a truly pain free experience. Lumens solutions automate camera control and simplify device connection, making every meeting smooth and professional.



01 - Corporate

Lumens®

Large Conference Rooms

- ✓ S01 — Speaker Tracking
- ✓ S03 — BYOD
- ✓ S04 — IP to USB Conversion
- ✓ S05 — Recording
- ✓ S08 — IMAG

It's now easy to connect your laptop, capture the whole discussion, follow the speaker automatically, and display the presenter clearly on a big screen. Lumens solutions support scalable setups with smart tracking and high-quality video, helping presenters stay focused and audiences stay engaged.



01 - Corporate

Lumens[®]

Boardrooms

- ☑ S01 — Speaker Tracking
- ☑ S03 — BYOD
- ☑ S05 — Recording
- ☑ S08 — IMAG

Executive meeting spaces can be fully automated. Automatically follow the speaker with multiple cameras, record the session, display the presenter clearly on screen, and let participants run the meeting with just their own laptop. Lumens delivers a seamless experience with reliable tracking and recording tools — helping leadership teams communicate clearly and make informed decisions.



01 - Corporate

Lumens[®]

Training Rooms

- ✓ S01 — Speaker Tracking
- ✓ S02 — BYOM
- ✓ S04 — IP to USB Conversion
- ✓ S05 — Recording
- ✓ S06 — Live Steaming
- ✓ S07 — Intelligent Director
- ✓ S08 — IMAG

This training room supports tools including lecture capture, speaker tracking, and live streaming — so whether you're teaching in person, online, or both, everything runs smoothly with minimal setup time.

Multi-purpose Rooms

- ☑ S01 — Speaker Tracking
- ☑ S02 — BYOM
- ☑ S04 — IP to USB Conversion
- ☑ S05 — Recording
- ☑ S07 — Intelligent Director
- ☑ S08 — IMAG

This adaptable space supports a variety of activities — from workshops to seminars. Lumens speaker tracking, USB connectivity, and intelligent switching ensure perfect communication and easy operation. It's built to handle changing needs with ease, making it ideal for teams that rely on flexible spaces for dynamic collaboration.

02 - Higher Education

Lumens[®]
Your Success, Our Focus

Lumens educational technology creates a student-centered interactive classroom and more possibilities for all types of learning. Lumens hybrid classroom solution combines the best of traditional face-to-face classroom teaching with new approaches to online learning.



1. Classrooms



2. Lecture Halls



3. Hybrid Teaching Classrooms



4. Seminar Rooms



5. Multi-purpose Rooms



02 - Higher Education

Lumens®

Classrooms

- ☑ S01 — Speaker Tracking
- ☑ S02 — BYOM
- ☑ S04 — IP to USB Conversion
- ☑ S05 — Recording

This classroom is ready for remote, hybrid or in-person teaching. With Lumens, instructors can record full lessons, let the camera follow them as they teach, and easily start class using just their laptop. The system runs to a schedule in the background, so educators can focus on teaching while everything else — tracking, recording, and sharing — happens automatically.



02 - Higher Education

Lumens[®]

Lecture Halls

- ☑ S01 — Speaker Tracking
- ☑ S03 — BYOD
- ☑ S04 — IP to USB Conversion
- ☑ S05 — Recording
- ☑ S06 — Live Streaming
- ☑ S07 — Intelligent Director
- ☑ S08 — IMAG

This lecture hall is built for big classes and public presentations. With Lumens, you can film the speaker, record the session, show close-up views on the big screen, and live stream presentations — all with our smart and easy-to-use technology.



02 - Higher Education

Lumens®

Hybrid Classrooms

- ✓ S01 — Speaker Tracking
- ✓ S02 — BYOM
- ✓ S04 — IP to USB Conversion
- ✓ S05 — Recording
- ✓ S08 — IMAG

This hybrid classroom supports both in-person and remote learning. With Lumens, teachers can move freely while being tracked on camera, record full lessons, and connect their laptop to start class with ease. It's a future-ready setup that keeps every student connected and ensures learning continuity, no matter where they are.

Seminar Rooms

- ✓ S01 — Speaker Tracking
- ✓ S02 — BYOM
- ✓ S04 — IP to USB Conversion
- ✓ S05 — Recording
- ✓ S07 — Intelligent Director
- ✓ S08 — IMAG

Built for seminars and research sharing, this room lets the presenter move freely while the system tracks, records, and supports clear visuals — all with simple laptop control and partner-ready audio. It's designed to support knowledge exchange in any format — from solo presentations to collaborative discussions, both in-room and online.



Multi-purpose Rooms

- ☑ S01 — Speaker Tracking
- ☑ S03 — BYOD
- ☑ S04 — IP to USB Conversion
- ☑ S05 — Recording
- ☑ S07 — Intelligent Director
- ☑ S08 — IMAG

This adaptable classroom supports everything from interactive lessons to hybrid group work. Lumens solutions help capture content, follow the speaker, and simplify setup — no tech crew required. It's perfect for active learning environments where flexibility, clarity, and ease of use matter every day.

03 - Government

Lumens[®]
Your Success, Our Focus

In an increasingly digital world, government organizations live broadcast interviews, public hearings and press conferences to audiences over the Internet. Lumens streaming solutions provide a great way to enhance political communication between the government and the citizens. It creates a media archive that can be made available for on-demand viewing.



1. Conference Rooms



2. Seminar Rooms



03 - Government

Lumens[®]

Conference Rooms

- ☑ S01 — Speaker Tracking
- ☑ S02 — BYOM
- ☑ S04 — IP to USB Conversion
- ☑ S06 — Live Steaming
- ☑ S08 — IMAG

Conference spaces are used for official meetings and public discussions. Lumens technology automatically tracks speakers, enables laptop-based presentations, and supports live streaming — so sessions run smoothly and are easy to follow. We offer reliable setups for government communications, making every voice audible and every decision accessible in real time or on-demand.

Seminar Rooms

- ☑ S01 — Speaker Tracking
- ☑ S03 — BYOD
- ☑ S04 — IP to USB Conversion
- ☑ S05 — Recording
- ☑ S07 — Intelligent Director
- ☑ S08 — IMAG

Ideal for public meetings, government briefings, or speaker-led sessions, Lumens solutions make it easy to record, follow the presenter on camera, and display clear visuals — with no complex setup. They are designed to support transparent communication and professional delivery, whether the audience is in the room or watching remotely.

04 - Courtroom

Lumens Solution can modernize a conventional courtroom. The solution can record, live stream, and archive digitally, delivering transparency to the judicial system and making it quick and efficient to review proceedings.

1. Courtrooms



Courtrooms

- ☑ S03 — BYOD
- ☑ S05 — Recording
- ☑ S06 — Live Streaming
- ☑ S07 — Intelligent Director
- ☑ S08 — IMAG

With Lumens, courts can record sessions, stream hearings, and follow speakers on camera, making it easier to keep a clear record and share proceedings when needed. The system ensures accuracy, consistency, and visibility — supporting fair process and transparency in every case.

S01

Lumens[®]

Speaker Tracking

AI-based Voice Tracking Technology

What is Speaker 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 multiple Lumens cameras to **switch and focus cameras** on the active speaker.



S02

Lumens®

BYOM

Bring Your Own Meeting

What is BYOM?

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

Lumens' one cable 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.



S03

Lumens®

BYOD

Bring Your Own Device

What is BYOD?

In a BYOD set-up, users simply connect their own laptop, tablet, or device to access the room's AV system. Whether it's for a meeting, training, or presentation, they can use their preferred software with no need for a dedicated in-room PC.

Lumens' BYOD solution is built for flexibility. It integrates smoothly with installed cameras, microphones, and displays, and delivers high-quality video and clear audio — all with a quick, simple connection and no technical hassle.



S04

Lumens[®]

IP to USB Converter

Single Cable Integration with Conferencing Systems

What is IP to USB Conversion?

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.





S05

Lumens®

Recording

Reliable recording for education, business, and public service

What is Recording?

Conferences, court hearings, public meetings, lectures, and business presentations often need to be recorded for on-demand review, secure archiving, and training purposes.

Lumens CaptureVision media processors support multi-channel video and audio recording with an easy-to-use interface. Users can capture the full session, including speaker video, presentation content, and audience reactions, and save it for future playback or documentation. Compatible with leading content management systems, such as Panopto and Kaltura, recordings can be uploaded seamlessly for efficient organization and access.

LIVE

S06

Lumens[®]

Live Streaming

Deliver real-time access to every audience

What is Live Streaming?

Live streaming is essential for reaching remote participants in real time, whether it's a public hearing, lecture, or hybrid event.

With Lumens CaptureVision, users can easily switch video sources and stream directly to platforms like YouTube, Twitch, or Facebook. The intuitive interface makes it simple to manage video and audio feeds, ensuring a smooth and professional live experience without requiring a production crew..



S07

Lumens®

Intelligent Director

Automated Production

What is Intelligent Director?

Intelligent Director automates your production, whether it's team training, a school lesson, university lecture or conference session. This function analyzes the behavior of the presenter and the audience to intelligently produce a multi-camera production.

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.

S08

Lumens®

IMAG

Image Magnification

What is IMAG?

IMAG brings the stage closer to everyone in the room. By projecting live video of speakers or performers onto large format monitors, it ensures that even those seated far from the stage can see every expression, gesture, and detail.

Whether it's a keynote, concert, or public event, IMAG enhances visibility and creates a more engaging and immersive experience for the entire audience.





WE LOOK FORWARD TO
WORKING WITH YOU



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