

Products Introduction

March 2025

About Lumens

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



Lumens products include market-leading PTZ cameras, the CamConnect Pro with AI, and the new OIP Bridge solution that revolutionizes your space. Find more information here.

Product Lines

Lumens is a manufacturer of digital video equipment, AV systems and IP technology. With a heritage going back over 20 years, excellence in support and service, and an industry-leading warranty, Lumens is a name to depend on.

Lumens®

Your Success, Our Focus



Pro AV Camera

Robotic and fully automated PTZ cameras, webcams, huddle room cameras and integrated video soundbars.



AI Speaker Tracking

AI-enabled voice tracking technology for meeting spaces, conference suites and lecture halls.



Document Camera

High-performance live presentation visualizers, compatible with Lumens Ladibug software.



OIP Bridge

The future of video conversion, distribution and integration with NDI and Dante AV-H support.



Media Processor

Multi-channel switchers, recorders, and live streaming processors.

Pro AV Camera

Robotic and fully automated PTZ cameras, webcams, huddle room cameras and integrated video soundbars

Lumens ProAV cameras deliver high-quality video for broadcasting, lecture capture, live production, conferencing, and content creation. Our cameras offer advanced imaging technology, seamless integration with AV and UC systems, and flexible control options to meet the most demanding installations.

Whether for large-scale productions or professional meetings, ProAV cameras deliver exceptional performance, making them perfect for modern AV environments.



AI

Auto
Framing

Gesture
Control

PTZ Camera

Professional PTZ Camera

Robotic Camera for Remote Production Workflows up-to 4K 60fps

Lumens is renowned as the manufacturer of the world's first 4K PTZ camera. Today, our cameras continue to deliver exceptional picture clarity, vivid colors, and smooth, ultra-quiet movement. With advanced network technology and powerful optical zooms, they give users the ultimate flexibility.

VC-A71P

4K 60fps IP PTZ Camera

2160p59.94 / 30x /
12G-SDI, HDMI 2.0, IP, USB



VC-A53

Full HD PTZ IP Camera

1080p60 / 20x /
3G-SDI, HDMI, IP, USB



VC-R31

HD IP PTZ Camera

1080p60 / 12x /
HDMI, IP, USB



PTZ Camera

Professional Tracking Camera

Fully Automated PTZ Cameras

This series of cameras feature a new generation of ultra-reliable AI-enabled motion-tracking technology. Each model automatically detects and follows a presenter across stages, classrooms, and presentation spaces. Using facial detection, it pans, tilts, and zooms to track movement, making the range ideal for lecture capture, corporate training, and worship settings without the need for trained technical staff.

VC-TR61

4K AI Auto-Tracking 30x Zoom PTZ Camera

2160p60 / 30x /
3G-SDI, HDMI, IP, USB



VC-TR60A

4K Dual Lens Speaker Tracking Camera

2160p60 / 12x /
HDMI, IP, USB



VC-TR40

AI Auto-Tracking Camera

1080p60 / 20x /
3G-SDI, HDMI, IP, USB



PTZ Camera

NDI Camera

Producing and Distributing Video over IP Networks

NDI is a network protocol that enables the distribution of high-quality video, audio and control signals over standard Ethernet networks in real-time and with minimal latency. Ideal for live events, Lumens NDI PTZ cameras support video, audio, power, and control over a single Cat-5/6 cable, making installation and remote operation much easier. NDI-enabled PTZ cameras can instantly join NDI workgroups and production networks.

VC-A71P-HN



**4K NDI PTZ Camera
with NDI High Bandwidth and NDI HX3**

2160p59.94 / 30x /
12G-SDI, 3G-SDI, HDMI, IP, USB



VC-A71SN

NDI HX3



**4K NDI® PTZ Camera
with NDI HX3 and 12G-SDI**

2160p59.94 / 30x /
12G-SDI, HDMI, IP, USB



VC-TR40N

NDI HX3



**AI-Powered NDI HX3
Auto-Tracking Camera**

1080p60 / 20x /
3G-SDI, HDMI, IP, USB



PTZ Camera

Box Camera

Compact HD and 4K Minicams

Box cameras can be installed discreetly in hard-to-reach places to capture a specific angle. Delivering simple zoom functionality without pan and tilt movement, box cameras are less mechanically complex and are easier to manage.

They are widely used in theater and conference production, collaborative huddle rooms, e-learning, video studios, indoor sports, eSports, radio broadcasting and fixed rig documentaries. Connections include SDI, HDMI, Ethernet, and USB enabling integration with a wide range of UC, AV, IT and broadcast workflows.

BC-602

1080p IP Box Camera

1080p60 / 30x /
3G-SDI, HDMI, IP



VC-BC301P

4K IP POV Camera

2160p60 / HDMI, IP, USB



PTZ Camera

Camera Controller

VS-KB21N

IP Camera Controller with NDI

Controls up-to 255 IP-connected or NDI-connected cameras / RS-232, RS-422, IP control



VS-KB21

IP Camera Controller

Controls up-to 255 IP-connected cameras / RS-232, RS-422, IP control



Compatible Software



Deployment Tool 2.0

Remotely manage and control multiple Lumens IP devices.



Virtual Camera 2.0

Allows users to connect a Lumens professional IP camera to the host computer using Ethernet.



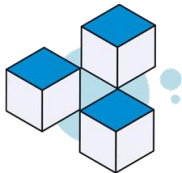
Camera Controller

Remotely manage and control multiple Lumens cameras via their IP and USB interfaces.



OBS Plug-in and Dockable Controller

OBS Plugin and Dockable Controller for PTZ & Box Cameras.



Companion Module

Control Deck for Lumens PTZ Cameras and Live Streaming Device.

Conferencing Camera

Video Conference Camera

Webcams, Huddle Room Cameras and Integrated Video Soundbars

Video conferencing cameras are designed to work with standard UC platforms including MS Teams, Zoom and Webex, and to support sharing tools such as Barco ClickShare. Professional VC cameras capture enhanced video and audio quality and offer users much greater versatility than built-in laptop cameras. Advanced features include voice-tracking camera technology, ePTZ functionality with adaptive auto-framing, and robotic heads with optical zooms for use larger rooms.

MS-10S

4K Video Soundbar

2160p30 / 4x (1080p) / USB / 120°



VC-B30U

Full HD USB PTZ Camera

1080p60 / 12x / HDMI, USB / 72°



VC-B11U

4K USB Conference Camera

2160p30 / 2x (1080p) / USB / 110°



Conferencing Camera

Compatible Software



Camera Controller

Remotely manage and control multiple Lumens cameras via their IP and USB interfaces.



Virtual Camera 2.0

Allows users to connect a Lumens professional IP camera to the host computer using Ethernet.

Document Camera

High-performance live presentation visualizers, compatible with Lumens Ladibug software

Lumens' versatile 4K and Full HD document cameras are excellent tools for capturing and displaying documents, textbooks, assignments, and even small objects. Ideal for use in education, training, courtrooms and presentation areas, document cameras produce live detailed images, ready for display on monitors and computer screens. Lumens visualizers work both in-person and in hybrid learning environments.

**Interactive
Learning**

**Easy
Demonstration**

**Hybrid
Learning**



Document Camera

Portable Document Camera

DC193

20x Zoom Document Camera

1080p30 / 20x / HDMI, USB, VGA



DC172

4K HDMI Document Camera

2160p30 / 30x / HDMI, USB



DC136

4K Portable USB Document Camera

2160p30 / 16x / USB



Compatible Software



Ladibug 4K

Transform your Document Camera with Ladibug's Suite of creative tools.

Document Camera

Desktop Document Camera

PS753

4K Desktop Document Camera

2160p30 / 300x / HDMI, USB, VGA, IP



Ceiling Camera

CL511

4K Ceiling Camera

2160p30 / 300x / HDMI, USB, VGA, IP



Compatible Software



Ladibug 4K

Transform your Document Camera
with Ladibug's Suite of creative tools.

Media Processor

Multi-channel switchers, recorders, and live streaming processors

A media processor is an all-in-one station that can produce, record, and stream audio-visual presentations and multi-source productions. Switching and mixing multiple sources helps create engaging and professional events, complete with logo insertion and a lower third overlay, background, and timestamp. Media Processors record the live program output and each video input independently. They simultaneously stream live to your preferred platform whether that's YouTube, Twitch, or Facebook. Lumens' Media Processors also integrate seamlessly with Panopto and Kaltura.



Record

Stream

**Integrate
With
LMS**

Media Processor

Lumens[®]

LC300S / LC300

CaptureVision System

4-CH / 4K Recording & Streaming /
LC300S Input: HDMI, USB, 12G-SDI, 3G-SDI, IP, NDI
LC300 Input: HDMI, USB, 3G-SDI, IP, NDI



LC200

CaptureVision System

4-CH / HD Recording & Streaming /
HDMI, IP Inputs



LC100N / LC100

CaptureVision System

2-CH / HD Recording & Streaming /
LC100N Input: NDI, HDMI, 3G-SDI, IP, USB
LC100 Input: HDMI, 3G-SDI, IP, USB



Integrate with third-party platforms



Media Processor

Remote Control Panel

LC-RC01

Remote Control Panel



Compatible Software



Deployment Tool 2.0

Remotely manage and control multiple Lumens IP devices.



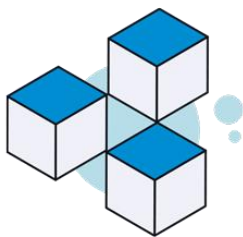
Virtual Camera 2.0

Allows users to connect a Lumens professional IP camera to the host computer using Ethernet.



CaptureVision Mini Controller

Lumens CaptureVision systems are designed to offer organization and events a powerful but easy-to-use media station.



Companion Module

Control Deck for Lumens PTZ Cameras and Live Streaming Device.

AI Speaker Tracking

AI-enabled voice tracking technology for meeting spaces, conference suites and lecture halls.

CamConnect Pro is an AI-enabled processor which works with Lumens PTZ cameras and array microphones from the likes of Audio Technica, Nureva, Sennheiser, Shure and Yamaha. By dynamically detecting and focusing on the active voices in a meeting room, CamConnect Pro dramatically enhances meetings, with no user input required. The system transforms the dial-in experience for remote meeting guests, external conference delegates and students engaged in distance learning.

**Voice
Tracking**

**Multiple
Camera**

AI



AI Speaker Tracking

CamConnect Pro

AI-Box1



Intelligent Director & Speaker Tracking

Supports up-to 4 IP cameras
Supports multiple array microphones



Compatible Software

CamConnect Pro Control Module
(Crestron / Extron / Kramer)

Supported Microphone



CamConnect Pro
Supported Device List

OIP Bridge

The future of video conversion, distribution and integration with NDI and Dante AV-H support.

AV over IP is the real-time distribution of audio, video, and other signals, such as device control, over local (LAN) or wide (WAN) area networks. Lumens OIP-N series devices can send and receive HD or 4K video over networks at very low latency, and feature both HDMI and USB connectivity. OIP-N supports NDI|HX3, RTSP, SRT or Dante AV-H, and supports conversion to HDMI and USB output.



**Webcam
Extension**

IP to USB

**Video
Wall**

OIP Bridge

OIP-N Dante

Integration of Dante Audio and Video

Lumens Dante transcoders are a breakthrough in meeting room technology, delivering a new connect and forget BYOM experience. They deliver true meeting equity and significantly reduce the burden on the AV team.

Lumens simplifies the integration of Dante audio and IP video, enabling users to benefit from high quality camera, microphone and speaker technology. OIP-N60D Dante AV-H decodes IP video streams from RTSP and Dante AV-H cameras to USB for use with video conferencing platforms including Teams and Zoom. It supports bi-directional Dante Audio and works with standard Dante routing, control and management applications.

OIP-N60D Dante AV-H

**AV over IP and Dante AV-H
4K OIP Bridge**

2160p60 / Dante AV-H & RTSP Decoder with HDMI and USB out



OIP Bridge

OIP-N NDI

USB Conversion and Transmission

OIP-N40E is a great way to encode HDMI and USB sources for transmission over NDI and IP networks. Paired with the OIP-N60D decoder, Lumens provides low latency end-to-end IP/NDI encoding and decoding of audio and video sources. The powerful 4K decoder can be remotely controlled to output any available source on the network. It pairs with Lumens VS-KB21N camera controller to create an easy-to-use multi-input IP/NDI switcher with simultaneous HDMI and USB output.

Compatible Software



Routing Switcher

Routing Switcher provides live multi-view monitoring of OIP-N network transcoders and Lumens IP cameras.

OIP-N60D

AV over IP and NDI HX
4K OIP Bridge

2160p60 / Decodes RTSP, SRT,
NDI HX3, NDI HX, HLS,
MPEG-TS



Compatible with
BOSCH



OIP-N40E

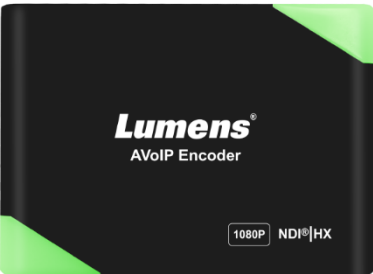
Video to IP/ NDI HX
HD OIP Bridge

1080p60 / Encodes RTSP,
RTMP, SRT, NDI HX3, NDI HX,
HLS, MPEG-TS



NDI.HX3

Compatible with
BOSCH



OIP Bridge

OIP-D Series

Ultra-low Latency Delivery and Control

AV over IP is the real-time distribution of audio, video, and other signals, such as device control, over local (LAN) or wide (WAN) area networks. Lumens OIP-D series devices send and receive HD or 4K video over IP networks at very low latency. It is very easy to manage multiple encoders and decoders, and even deploy remote KVM capabilities (with the OIP-D50 series).

OIP-D50E, V2

1G Encoder & Decoder

1Gbps / 2160p30 4:4:4 / HDMI, VGA



OIP-D50D

1G Encoder & Decoder

1Gbps / 2160p30 4:4:4 / HDMI, VGA



OIP-D50C

Controller

100 Mbps / HDMI



Partners

By partnering with international brands, we combine our respective expertise and technical advantages to provide users with the flexible solutions they need.

Ask us for details of how we can combine with best of breed technologies to deliver truly world-class integrations.



**WE LOOK FORWARD TO
WORKING WITH YOU**



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