Lumens®

Dante Ready™

Compatible with ClickShare BARCO



AI-Box1

CamConnect Processor

The compact and cost-effective CamConnect™ AI-Box1 is a powerful speaker tracking processor for Lumens PTZ cameras. Supporting multiple cameras and microphone arrays, AI-Box1 can transform the audio-visual experience within meeting spaces, lecture rooms and conference suites.

Key Features

- Supports up-to 4 IP cameras
- Supports multiple array microphones
- Supports PBP, three-split screen and four-split screen multiview output
- AI algorithm for people tracking and center stage

Supported Camera and Microphone List



Speaker Tracking Camera Control

AI-Box1 matches directional audio data with preset camera positions to focus on the active speaker. If the speaker adjusts their position, the camera will intelligently correct the preset to keep the subject in the center of the frame.



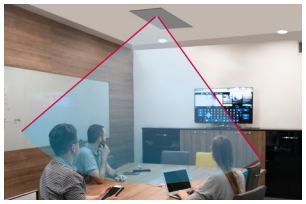
Hybrid Audio-Visual Tracking Algorithm

Turning a PTZ camera into an auto-tracking camera, AI-Box1 uses live data from microphones to track a presenter or teacher as they move across a stage. This makes the unit an ideal partner for lecture capture systems.



Multiple Camera Auto Switch

AI-Box1 can use up-to 4 cameras to deliver the best shooting angle, dramatically enhancing AV production and the remote meeting experience. The unit also supports multiview mode, for output of two cameras side by side (PBP) or multiple cameras in a 2 x 2 gallery.



Microphone Arrays and Digital Signal Processors

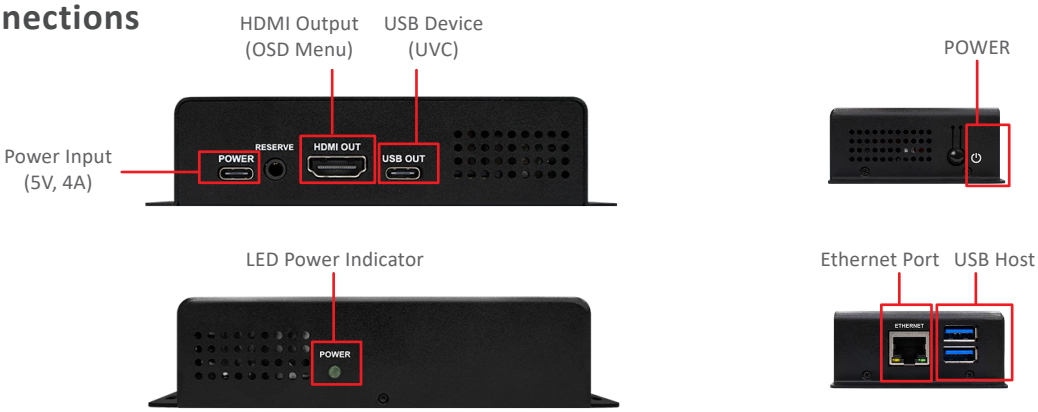
AI-Box1 is optimized for a growing line-up of microphones from manufacturers, including Audio-Technica, Nureva, Sennheiser, Shure, Televic and Yamaha. For the latest information, please visit our website.

Product Specifications

Video Input	
Maximum Supported Cameras	4xIP or 3xIP + 1xUSB
IP camera	RTSP, Dante AV-H (Dante Ready) (H.264 1080p@60/50, 720p@60/50)
USB Camera	UVC (MJPEG 1080p@30/25, 720p@30/25)
Camera Control Protocol	VISCA over IP / UVC
Video Output	
USB Device	USB 3.0 Type C, UVC
USB format	MJPEG 1080p@30/25, 720p@30/25
HDMI Output	HDMI 2.0 (GUI menu)
HDMI Output format	1080p@60/50 Hz
IP Stream	RTSP (H.264 1080p@60/50/30/25)
Audio	
Ref Audio Input	Line in (3.5mm phone jack) UAC
Dante Audio	Yes, Dante Audio 2x2 (Dante Ready)
USB Audio	Yes, UAC (Microphpne & Speaker) to Dante Audio (Dante Ready)
Other Interface	
Power	USB Type-C Power (5V, 4A)
Ethernet Port	Female RJ-45 10/100/1000 Base-T
USB Type A (USB Host)	Supports USB Camera / Mouse / Keyboard
LED Power Indicator	Yes
Power button	Yes

Functions	
Supported Conference Software	Teams / ZoomRoom / Zoom / Google Meet
Supports Multi-array Microphones	Yes
Speaking Tracking	Yes, with supported directional microphone arrays
Webpage Configuration	Yes
Camera Auto Switching	Yes
Supports Multi-camera Control	Yes, up to 4 cameras
People Tracking	Yes
Center Stage	Yes
Multiview (Video Source Mixing)	Yes, PBP, three-split screen, four- split screen view
Conversation mode	Yes
Motionless Instant Cut	Primary && Secondary Camera
Firmware Update	Over the Air (OTA)
General	
Power Consumption	20W
Operating Temperature	0~40 °C
Operating Humidity	90%
Dimension (WxHxD)	4.96" x 2.76" x1.18" (126 mm x 70mm x 30mm)
Weight	0.8 lbs (350g)

I/O Connections



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*The warranty policy may be different depending on the sales region. Please contact your local salesperson for details.

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