UC3310

CAMLIVE MX UVC Camera Seamless Matrix

As meetings and conferences evolve in modernized workplaces, the need for versatile applications, such as the need to seamlessly switch between two UVC inputs to HDMI, is fast developing. The CAMLIVE MX optimizes the meeting and conference experience as it serves as an audio/video matrix with an extensive array of compatibilities and support. Leverage the full capacity of CAMLIVE MX to get the best meeting experience possible!

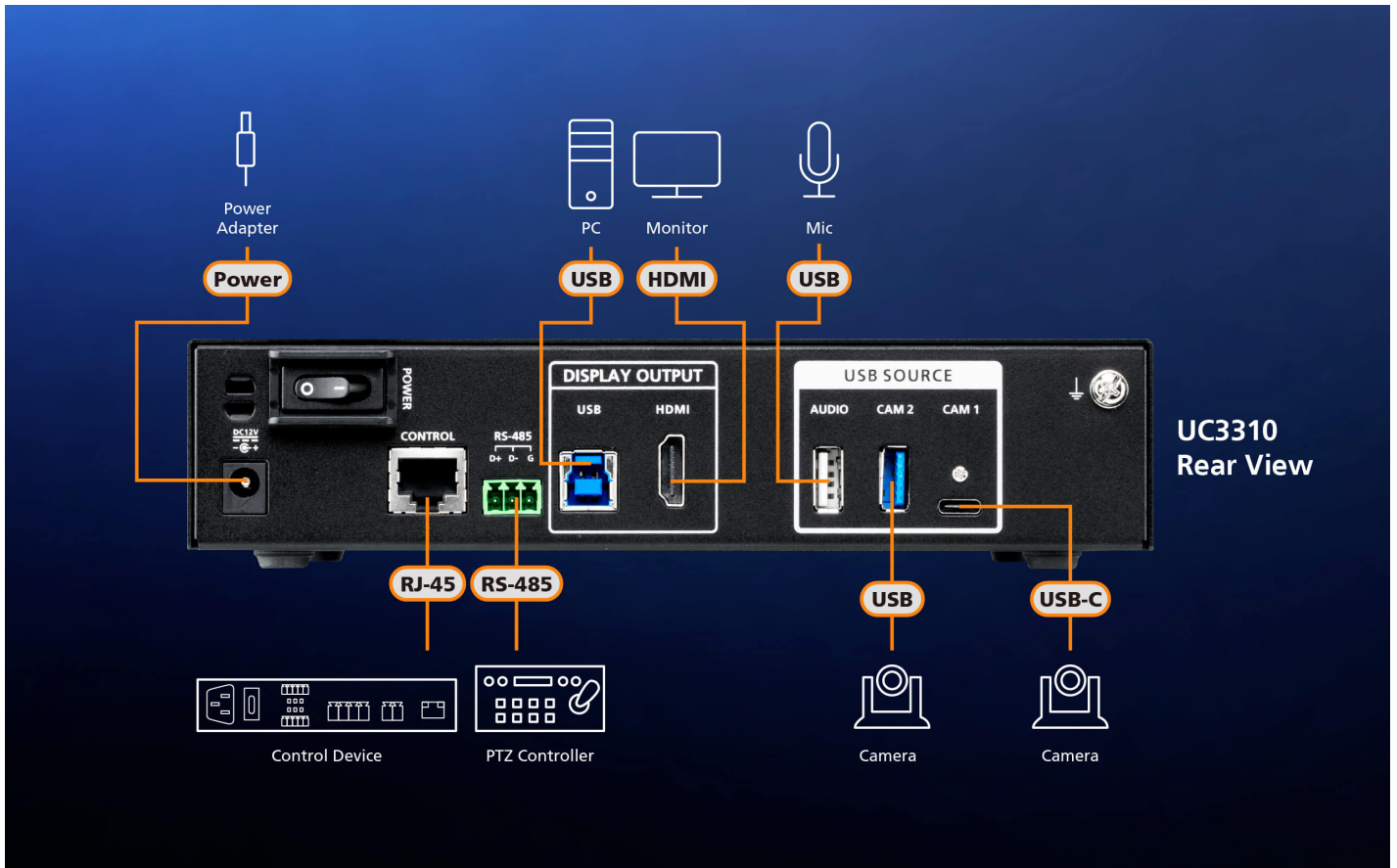**USB AVSync™ with Seamless 4K Switching**

The UC3310 stands out as the sole UVC camera matrix on the market that enables flexible switching between two USB cameras (4K@30) for optimal HDMI visual clarity.
ATEN's exclusive USB AVSync™ technology integrates zero-second USB video switching and UAFV (USB Audio Follow Video), and further presets the USB matrix path to play a role in different conference scenarios. This ensures BYOD devices stay effortlessly in sync with the meeting system – eliminating the need for any AV reconfiguration, leading to a smoother, more efficient meeting experience.

USB × Seamless × Matrix

Independent 3X2 Audio/Video Matrix Switch

The advanced matrix supporting 3 audio and 2 video USB sources renders it to be a comprehensive and smooth system, delivering content of high clarity and detail.

UC3310
Rear View

DISPLAY OUTPUT

USB SOURCE

Wide and Expansive Compatibility of Meeting and Streaming Software

The converted UVC video output stream is perfect for meeting software including: Microsoft Teams, Zoom, Google Meet, and Webex, while also compatible with popular streaming software: OBS, XSplit, YouTube, Facebook, GoToWebinar, and Twitch.

Built-in RS-485 Interface for an Exceptional Meeting Experience

Its support for VISCA protocol makes it compatible with a wide array of PTZ add-on cameras, ensuring an engaging and interactive meeting experience.

PTZ Controller

Flexible and Versatile Deployment

Optional rack mounting kits (2X-052G, 2X-049G) make installation easy and convenient, and additionally saves rack space for scalability purposes, such as media cabinets and DIT (Digital Imaging Technician) workstations.

Applications

The CAMLIVE MX encapsulates what is required for a modern meeting experience, but it can be further extended to these other applications:
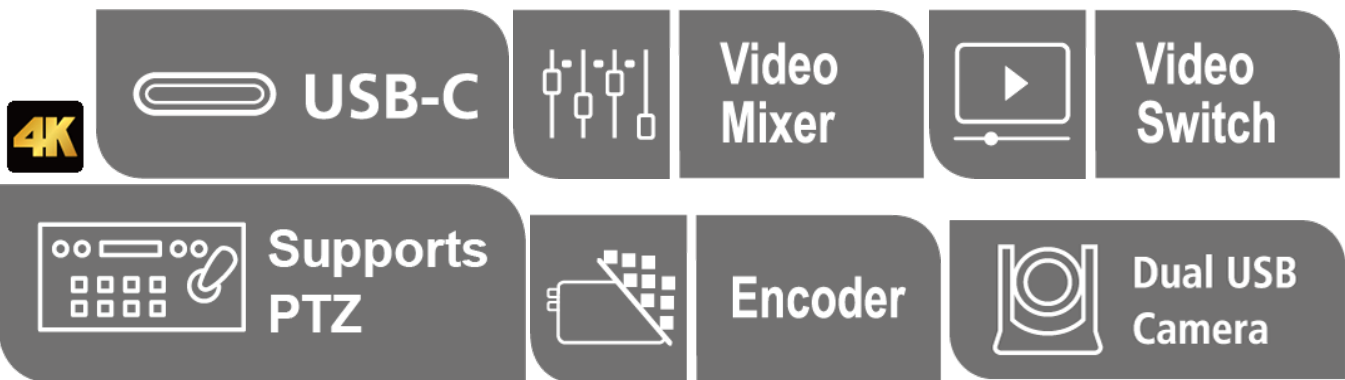
Meeting Room

Conference Hall

Talk to Our Experts

If you prefer to have ATEN contact you, please complete the form and a representative will be in touch with you shortly

First Name *

Last Name *

- Country *

Company *

Email *

Phone Number

- Customer Type *

Job Title *

Features

- Converts up to two 4K@30 USB camera inputs into one HDMI
- Supports USB audio in / out for matrix switching
- Support 1080p @ 30 UVC output simultaneously for live broadcasting on popular streaming software (Microsoft Teams, Zooms, OBS, XSplit, YouTube, Facebook, GoToWebinar, and Twitch)
- Pushbuttons on the front panel allow quick and intuitive signal selection and assignment
- RS-232 connection enables integration with ATEN VK Control System
- Built-in RS-485 interface to support VISCA protocol for PTZ camera controller connection
- Optional rack mount kit gives installation flexibility in media cabinets or DIT stations
- Plug-and-play convenience with no software drivers needed
- Supports all major operating systems including windows 10 and macOS 10.13

Specification

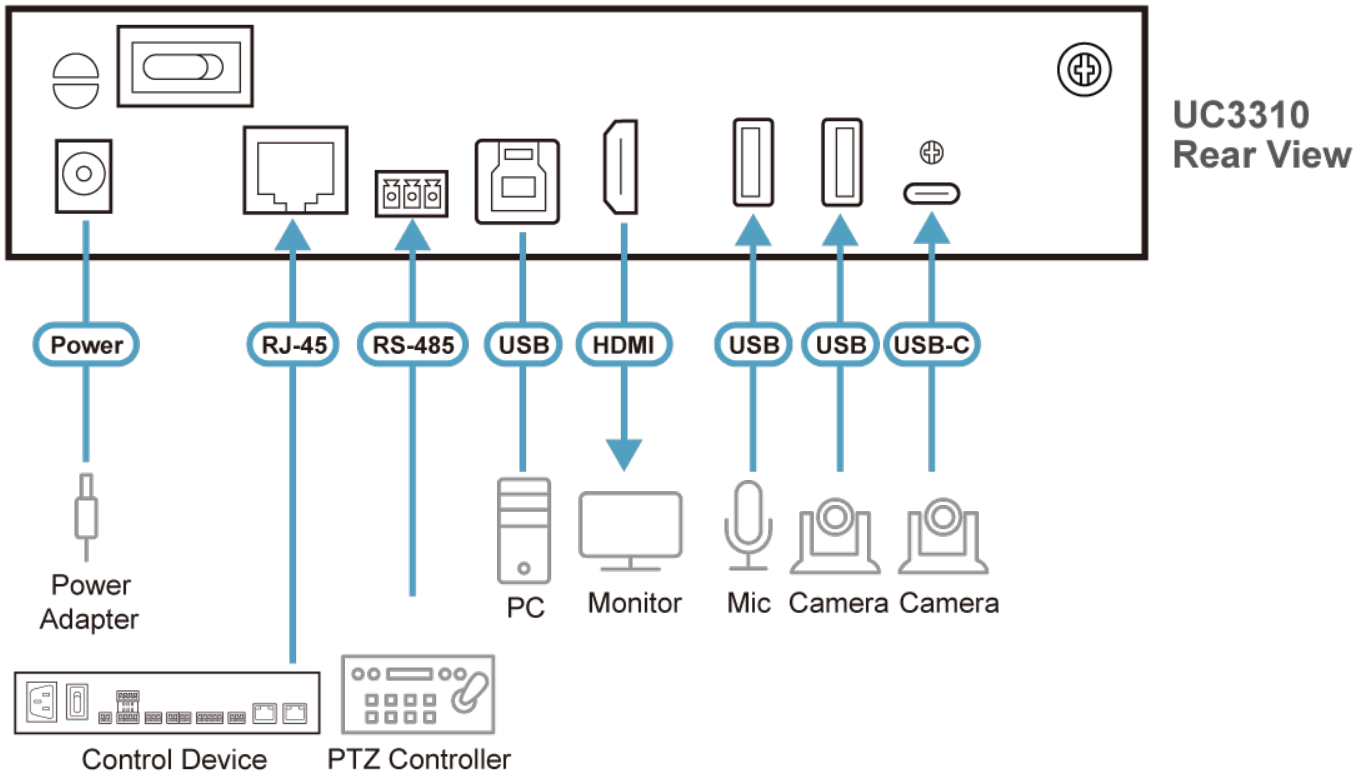| Connectors	
Video In	1 x USB3.2 Gen1 Type A Female (Blue) 1 x USB3.2 Gen1 Type C Female (Black)
Audio Inputs	1x USB2.0 Type A Female (White)
Video Output	1 x HDMI Type A Female (PGM Video, Black)
USB Port	USB 3.2 Gen1 Type-B Female (Blue) (USB-B to USB-A cable package included)

Video Resolution	USB camera input: 720p24, 720p25, 720p30, 720p50, 720p60 1080p24, 1080p25, 1080p30, 1080p50, 1080p60 2160p24, 2160p25, 2160p30 PGM HDMI output: HD Video Standards 720p24, 720p25, 720p30, 720p50, 720p60 1080p24, 1080p25, 1080p30, 1080p50, 1080p60 Ultra HD Video Standards 2160p24, 2160p25, 2160p30 USB video output: 4Kp30 (MJPEG) 1080p30, 720p24, 720p25, 720p30 (MJPEG)
Color Space	NV12
Audio Sampling	16-bit PCM audio, 48KHz
Control	
RS-232	Interface : RJ-45 Bit rate : 50bps~921.6Kbps (Default: 9600bps) Stop bit : 1 stop bit Data bits: 8 bits Parity : no parity Signal : TxD, RxD, GND
RS-485	PTZ Control Support Protocol : VISCA Interface : Terminal block Flow Control N/A FIFO 64 bytes Bit rate : 50bps~115200bps (Default: 9600bps) Stop bit : 1 stop bit Data bits: 8 bits Parity: none Signal : Data+(B), Data-(A), GND Protection IEC 61000-4-2 ESD: Contact: 4 kV; Air: 8 kV IEC 61000-4-3 RS: 80 MHz to 1 GHz: 3 V/m IEC 61000-4-4 EFT: Power1 kV Signal: 0.5 kV IEC 61000-4-5 Surge: Power: 1 kV IEC 61000-4-6 CS: 150 kHz to 80 MHz: 3 V/m IEC 61000-4-8 PFMF
Environmental	
Operating Temperature	0 - 40 ºC
Storage Temperature	-20 – 60 ºC
Humidity	0 - 80% RH, Non-Condensing
Minimum Hardware Requirements	PC/Mac: CPU: Intel® i3 Dual Core 2.8Ghz or higher RAM: 4GB or more 1 x USB-A interface
OS Support	Windows 10 and above Mac OS 12 and above
Physical Properties	
Housing	Metal
Weight	0.98 kg (2.16 lb)
Dimensions (L x W x H)	16.46 x 20.00 x 4.40 cm (6.48 x 7.87 x 1.73 in.)
Power Inputs	
Power Adapter	DC power adapter with Power cable IEC C13, 100-240 Vac
Power Consumption	DC12V:6.50W:92BTU/h Note: ● The measurement in Watts indicates the typical power consumption of the device with no external loading. ● The measurement in BTU/h indicates the power consumption of the device when it is fully loaded.

Note	For some of rack mount products, please note that the standard physical dimensions of WxDxH are expressed using a LxWxH format.

Diagram

UC3310
Rear View

Power | RJ-45 | RS-485 | USB | HDMI | USB | USB | USB-C

Power Adapter

PC | Monitor | Mic | Camera | Camera

Control Device | PTZ Controller