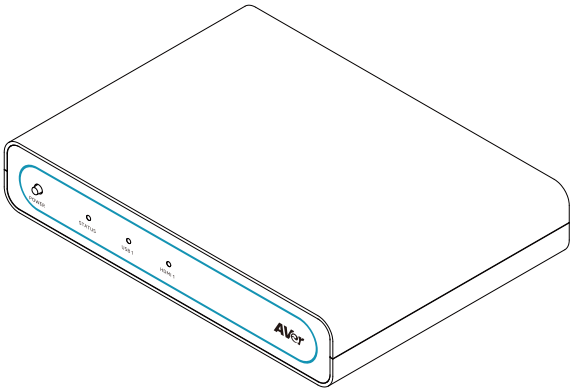


UE1 USB Extender

User Manual

Firmware 0.0000.24

Federal Communication Commission Interference Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radiofrequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with part 15 of the FCC Rules.

The Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

This Class A digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

PoE

The PoE++ port is connected only to PoE networks without routing to the outside plant.

PSTI Statement of Compliance

Please refer to the following website: https://www.aver.com/product-security-advisory

VCCI-A

この装置はクラス A 機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

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Technical Support: https://www.aver.com/technical-support

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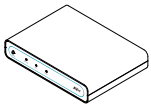
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Overview

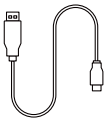
Package Contents



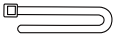
USB Extender



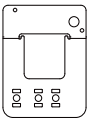
Power Adapter & Power Cord



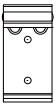
USB 3.0 Type-A to B Cable (1.5 m)



Cable Tie (x3)



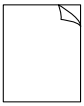
Cable Fixing Plate



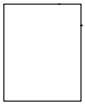
DIN Rail Mounting Clip



M3 x 5.1 mm Screw (x4)

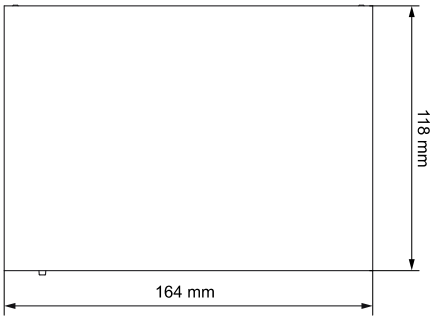


Quick Start Guide

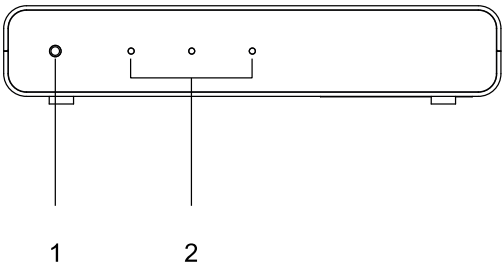


Warranty Card (Japan only)

Dimensions



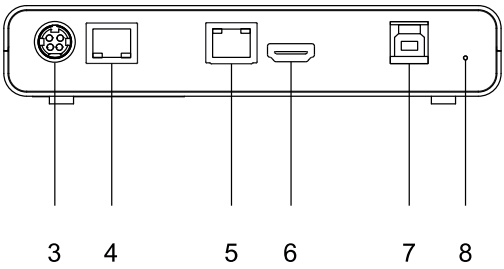
Parts Info



1. Power Button

   UE1 automatically powers on when power is connected:
   - *Press and hold for 5 seconds to power off. After power off, press once to power on.*
   - *Press and hold for 1 second to switch HDMI resolutions.*

2. LED Indicators (Status / USB 1 / HDMI 1)



3. DC Power Jack
4. Link 1 Port (PoE++ 802.3bt)
5. LAN Port
6. HDMI 2.0 Port
7. USB 3.0 Type-B Port
8. Reset Hole

   - *Insert a paper clip, push in to reboot.*
   - *Insert a paper clip, push in and hold for 5 seconds to reset to default settings.*

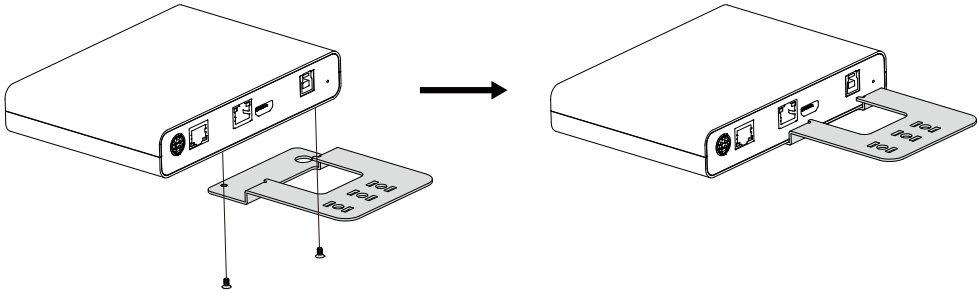
LED Indicators

LED	Color	Status
Status	Solid green	Power on
	Flashing green	Firmware update
	No light	Power off
USB 1	Solid green	Streaming
	No light	Not streaming
HDMI 1	Solid green	1080p60
	Solid orange	4K60

Installations

Cable Fixing Plate Installation

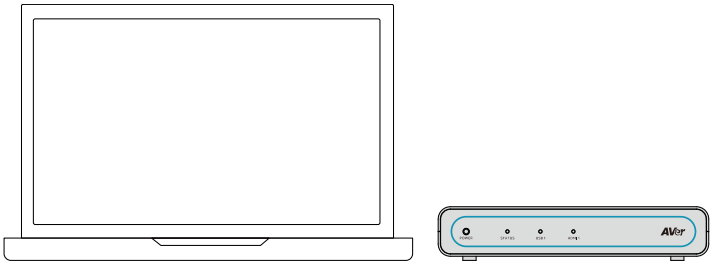
1. Secure the cable fixing plate to the USB extender with the included M3 x 5.1 mm screws (x2).
2. Connect the cables.
3. Use the cable ties to secure the cables and cable fixing plate.



USB Extender Installation

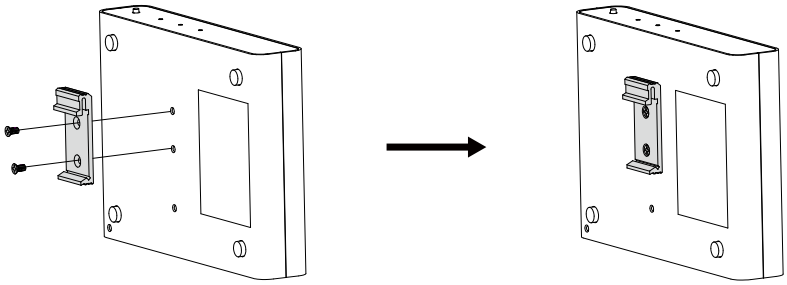
You can place the USB extender on a flat surface near the computer or install it on a DIN rail.

- **Place on a Flat Surface near Computer**

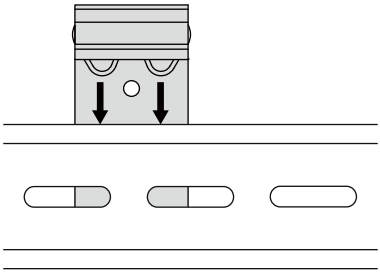


- **DIN Rail Mounting Clip Installation**

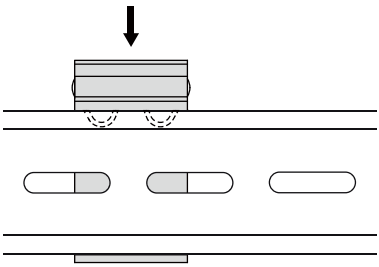
1. Secure the DIN rail mounting clip to the USB extender with the included M3 x 5.1 mm screws (x2).



2. Hook the spring of the clip around the rail. Then push down on the other end to snap it into place.

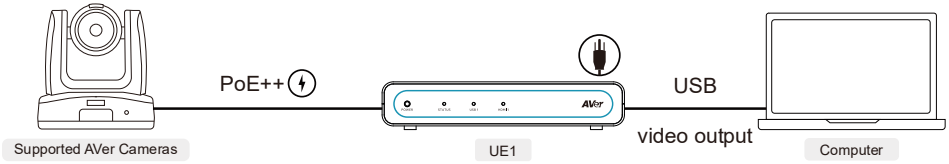


3. Push down on the spring of the clip to remove.

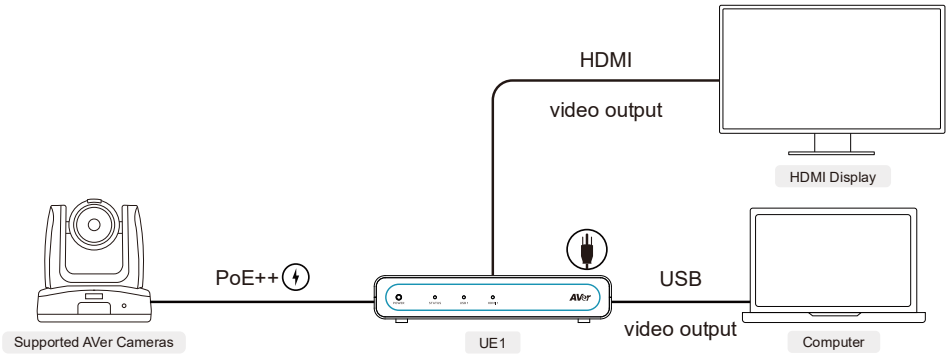


Connections

USE CASE ① : Output camera video via USB.



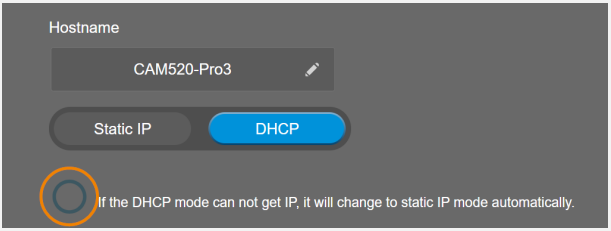
USE CASE ② : Output camera video via USB and HDMI simultaneously.

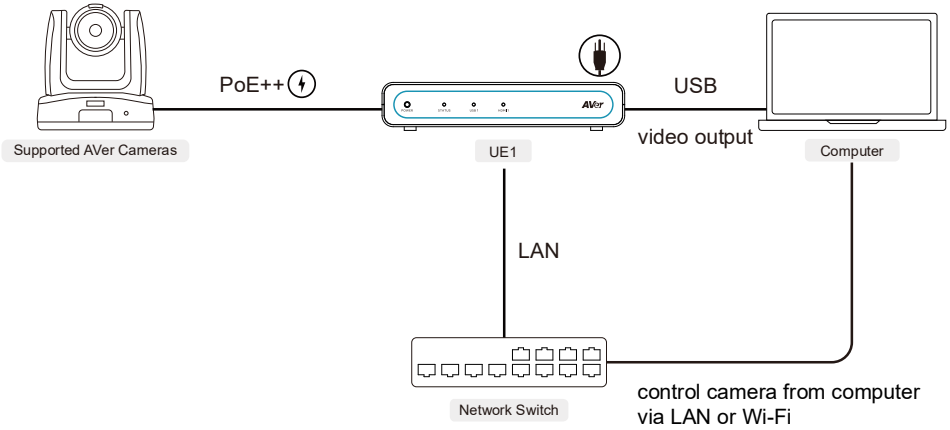


USE CASE ③ : Output camera video via USB while controlling the camera via the camera's web interface.

Note:

- CAM cameras (CAM520 Pro3 / CAM550 / CAM570):
  - Must be connected to the LAN via UE1 to obtain an IP address via DHCP, or be manually assigned a static IP.
  - Automatic static IP fallback is only available on newer firmware when enabled in the web interface: **Network** > **If the DHCP mode …**.





Get Started

Power Your Device

The device automatically powers on when connected to power. No need to press the **power** button.

- Press and hold for 5 seconds to power off. After power off, press once to power on.
- Press and hold for 1 second to switch HDMI resolutions.

Reset Your Device

- Insert a paper clip, push in to reboot.
- Insert a paper clip, push in and hold for 5 seconds to reset to default settings.

Connect to AVer Room Management



The USB extender does not have a web interface but you can use the Room Management software to configure settings.

1. Download and install Room Management from AVer Download Center (https://www.aver.com/download-center) to your computer and open the application.

2. Connect the device to your computer using the included USB cable, and to a power source using the included power cord. Your device and the connected camera should appear on the **Device Control** page.

3. Click **Setting** to control device and camera settings.



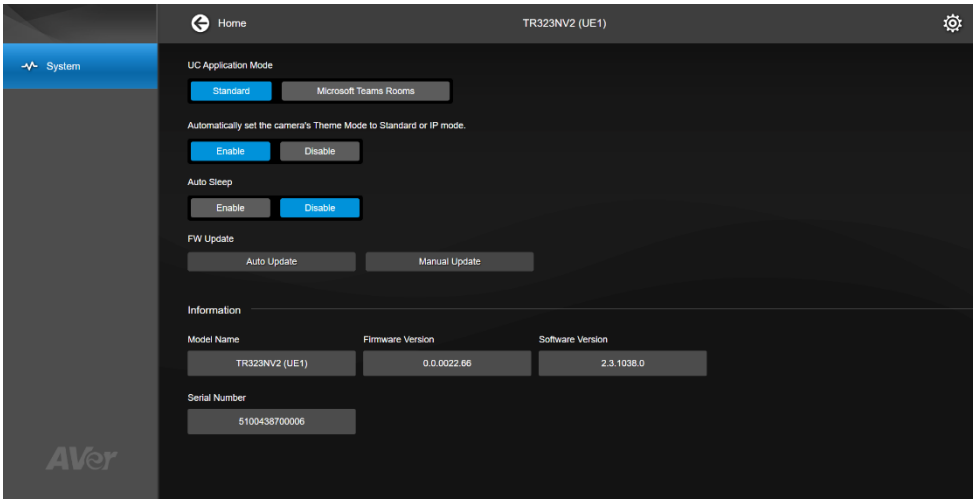
USB extender: Full settings control is available via Room Management.

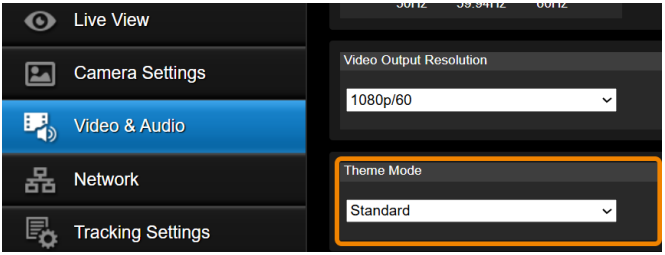


Connected camera: Limited settings control via Room Management. For full settings control, access the camera's web interface (refer to the camera's user manual for details).

- To open the camera’s web interface in your browser, connect the USB extender to the LAN, then click the **hyperlink** icon on the camera’s device card.

Configure Settings on AVer Room Management



Item	Description
UC Application Mode	Applies platform-specific image styles optimized for applications such as Teams: • White balance and image flip of the connected camera will be enabled. • USB extender's Auto Sleep function will be enabled.
Automatically set the camera's Theme Mode to Standard or IP Mode	Switches the Theme Mode of the connected camera to Standard Mode or IP Mode (depending on camera model) for RTSP streaming. • To switch to a different mode, open the camera's web interface and go to **Video & Audio** > **Theme Mode** to select a mode. Mode switching may take up to 2 minutes. 

Auto Sleep	Moves the camera to a preset after a delay when you are not streaming video on Zoom/Teams over USB for enhanced privacy. • Auto Sleep function will be enabled automatically when **UC Application Mode** is set to **Microsoft Teams Rooms**. • Refer to the Sleep Mode section in <Troubleshoot> for supported cameras and settings.
FW Update	Updates the device's firmware. • Auto Update: Checks for and installs updates online. • Manual Update: Installs an offline firmware file.
Information	Displays the device information such as firmware version.

Troubleshoot

Network

The USB extender itself does not request an IP via DHCP; obtaining a DHCP IP address is handled by the connected camera.

Start-up

The USB extender starts up quickly (under 30 seconds), with additional wait time depending on the camera's startup and IP acquisition.

Automatic Connection Recovery

- The USB extender broadcasts a search request for the camera every 5 seconds. If a video signal is lost after an established connection, it retries indefinitely after a 60-second delay.
- If a connection cannot be established, the USB extender falls back to assigning the camera a static IP address of **192.168.1.2**.

Sleep Mode

The following camera can enter Sleep Mode when it is turned off in the UC application, when the UC application is closed, or when the USB cable connecting the USB extender to the computer is unplugged.

- Professional Tracking/PTZ Cameras

Firmware 0.0.0000.24 or later	Firmware 0.0.0000.18 or later	Firmware 0.0.0000.74 or later
TR211	TR535	PTZ211
TR315	TR535N	PTZ231
TR315N		PTZ310UV2
TR322 (late 2026)		PTZ310UNV2
TR335		PTZ330UV2
TR335N		PTZ330UNV2
TR615 Firmware 0.0.0000.32 or later		

To set up:

1. Make sure the camera is not set to Teams Mode.
2. Configure **Sleep to Preset** and **Sleep Timer** on the camera’s web interface.

- Video Conferencing Cameras

CAM520 Pro3 Firmware 0.0.9604.04 or later
CAM550 Firmware 0.0.8010.04 or later
CAM570 Firmware 0.0.8108.04 or later

To set up:

1. Configure **Sleep Position** and **Sleep Timer** on the camera's web interface or via Room Management.

Appendix

Supported AVer Devices

Professional Tracking Cameras

- Single Lens

Firmware 0.0.0000.24 or later
TR211
TR315
TR315N
TR322 (late 2026)
TR335
TR335N
TR615 Firmware 0.0.0000.32 or later

Firmware 0.1.0000.23 or later
TR311HWV2
TR313V2
TR323V2
TR323NV2
TR333V2
PTC310HWV2
PTC310UV2
PTC320UV2
PTC320UNV2
PTC330UV2

- Dual Lens

Firmware 0.0.0000.18 or later
TR535
TR535N

Professional PTZ Cameras

Firmware 0.0.0000.24 or later
PTZ211
PTZ231
PTZ310UV2
PTZ310UNV2
PTZ330UV2
PTZ330UNV2

Distance Learning Camera

DL30 Firmware 7.0.0022.28 or later

Video Conferencing Cameras

CAM520 Pro3 Firmware 0.0.9604.04 or later
CAM550 Firmware 0.0.8010.04 or later
CAM570 Firmware 0.0.8108.04 or later

Supported Feature List

Please find enclosed a list of supported camera features. Or download the feature list from AVer Download Center (https://www.aver.com/download-center).

AVer UE1 Supported Feature List – May 25th, 2026

UE1 Supported Feature List

This document outlines the features provided by the UE1 for different camera models across various operating scenarios.

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1. Basic Connection Features

ProAV or DL

Feature/Model	PTZV2	TRV2	TRV3	DL30	TR535	TR615
H.264 RTSP	✅	✅	✅	✅	✅	✅
H.265 RTSP	✅	✅	✅	✅	✅	✅
No LAN Required	✅	✅	✅	✅	✅	✅
To IP/Standard Mode	✅	✅	✅	✅	✅	✅
Sleep Mode	✅	N/A	✅	N/A	N/A	N/A

CAM Series

Feature/Model	CAM550/570	CAM520Pro3
H.264 RTSP	✅	✅
H.265 RTSP	❌	❌
No LAN Required	❌	❌
Sleep Mode	✅	✅

2. Features used with Room Management

When UE1 is used with Room Management, the following features are available for specific models:

[Control Panel]

ProAV or DL

Feature/Model	PTZV2	TRV2	TRV3	DL30	TR535	TR615
Preset Image	N/A	N/A	N/A	N/A	N/A	N/A
PIP	N/A	N/A	N/A	N/A	N/A	N/A

CAM Series

Feature/Model	CAM550/570	CAM520Pro3
Preset Image	❌	❌
PIP	✅	N/A

[AI Mode]

ProAV or DL

Feature/Model	PTZV2	TRV2	TRV3	DL30	TR535	TR615
Presenter Tracking	N/A	✅	✅	✅	✅	✅
Zone	N/A	✅	✅	✅	✅	✅
Hybrid	N/A	✅	✅	✅	✅	✅
Segment	N/A	N/A	N/A	N/A	✅	N/A
AI Patrol	N/A	N/A	N/A	N/A	✅	N/A
SmartFrame	✅	N/A	N/A	N/A	N/A	N/A
SmartShoot	✅	N/A	N/A	N/A	N/A	N/A
Auto Zoom	N/A	N/A	N/A	N/A	✅	N/A

CAM Series

Feature/Model	CAM550/570	CAM520Pro3
Manual Frame	✅	✅
Auto Frame	✅	✅
Preset Framing	✅	✅
Audio Tracking	✅	N/A
SmartComposition	❌	✅
Audio Framing+	❌	N/A
SmartGallery	❌	❌

[Others]

ProAV or DL

Feature/Model	PTZV2	TRV2	TRV3	DL30	TR535	TR615
AI Lens Stream	N/A	N/A	N/A	N/A	❌	N/A
FW update	✅	✅	✅	✅	✅	✅
Factory Default	✅	✅	✅	✅	✅	✅
Reset Password	N/A	N/A	N/A	N/A	N/A	N/A

CAM Series

Feature/Model	CAM550/570	CAM520Pro3
AI Lens Stream	▲ (In PIP)	N/A
FW update	❌	❌
Factory Default	✅	✅

Reset Password	✅	✅

---

3. Zoom Rooms Support (Certificate Required)

ProAV or DL

Feature/Model	PTZV2	TRV2	TRV3	DL30	TR535	TR615
Save preset	✅	✅	✅	✅	✅	N/A
Call preset	✅	✅	✅	✅	✅	N/A
PTZ	✅	✅	✅	✅	✅	N/A
Presenter focus	✅	N/A	✅	N/A	✅	N/A
Auto-Framing	✅	✅	✅	✅	✅	N/A
Multi-Stream	✅	✅	✅	✅	✅	N/A
Mirror effect	✅	✅	✅	✅	✅	N/A

Note

- ✅: Supported; ❌: Not Supported; N/A: Not Available
- **DHCP Connection:** When connecting UE1 with the CAM series using DHCP, UE1 must be connected to a LAN to obtain the camera's IP address. If a LAN connection is not available for the UE1, it is highly recommended to set Static IP for CAM series cameras.