



4K Video Extender (USB-C - HDMI), 30 m



Quick Installation Guide

DS-55343

1. Introduction

With our 4K video extender (USB-C - HDMI), you can expand your options in terms of image quality and range. This extender enables seamless transmission of USB-C AV signals with stunning 4K resolution and an impressive refresh rate of up to 120Hz over a distance of up to 30 metres, all via a simple CAT cable. With a maximum transmission distance of 30 metres and support for CAT 6 or higher network cables, our extender offers a flexible solution for your AV requirements, whether in a professional environment or for private home cinema/gaming. The USB-C 3.1 connection serves as a signal input, while the HDMI 2.1 connection connects the output display. With a maximum resolution of 4K/120Hz (4:4:4) and a video bandwidth of 32 Gbps, our extender delivers razor-sharp images and smooth motion for an unrivalled viewing experience. Thanks to support for High Dynamic Range (HDR) and HDCP 2.3, you can enjoy an extended colour palette and improved picture quality, while Deep Color (36-bit) ensures vivid and accurate colour reproduction.

2. Main Features

- Maximum transmission distance: 30 m
- Supports CAT 6 or higher network cable
- USB-C 3.1 – Signal source connection
- HDMI 2.1 - Connection output display
- Max. resolution: 4K/120Hz (4:4:4)
- Video bandwidth: 32 Gbps
- Supports High Dynamic Range (HDR)
- Supports HDCP 2.3
- Supports Deep Color (36-bit)
- Power supply - transmitter via host, receiver via USB-C connection/cable (included)

3. Package Content

- 1x transmitter
- 1x receiver
- 1x power cable (USB-A - USB-C), 0.95 m
- 1x user manual
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4. Technical Features

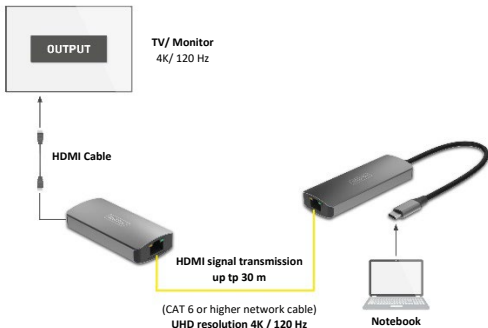
Input Port	USB-C male x 1 RJ45 x 1,
Output Port	HDMI x 1, RJ45 x 1
Extensions Distance	30m (132 feet) for 4K@120Hz 4:4:4
Interlaced Resolutions(50&60Hz)	480i,576i,1080i
Progressive Resolutions(50&60Hz)	480p,576p,720p,1080p, 4K@60Hz/4K120Hz
Operating Temperature	0°C to 50°C
Storage Humidity	5% to 90% RH non-condensation
Power Supply	DC 5V
Power Consumption (Max)	TX: 4W, RX: 3.5W
Extender Unit Cert	FCC, CE, RoHS
Power Supply Cert	FCC, CE, RoHS
Dimension(LxWxH)	TX:93.4*34*15mm; RX:72.5*34*15mm
Net Weight	TX: 53g; RX: 36g
Material	Aluminium Alloy + ABS

5. Panel Description



1.)	USB-C Male Input: Connect to Input Sources via USB-C Male Input Port
2.)	RJ45 OUT: UTP Cable Output Connection Port
3.)	RJ45 IN: UTP Cable Input Connection Port
4.)	HDMI OUT: Connect to Output Displays via HDMI Male Output Port
5.)	DC/5V: DC 5V USB-C Power In Port

6. Connection Diagram



7. Troubleshooting

Problems	Causes	Solutions
No sound or sound issues	Maybe the USB-C/HDMI connection is not well; the audio format is not supported by the displays; the source player set	Please check if the USB-C/HDMI cables are connecting well; if the audio format is supported by the displays, customers can change to the supported audio format or the players audio output is setting

	another port to output audio	HDMI audio output or not
No picture or picture flicker	Maybe the HDMI cable quality and UTP cable quality is not good enough or not connecting well	Please check if the HDMI and UTP connection is well, or change another good quality HDMI 2.1 standard HDMI cable or UTP(CAT6 or better cable is recommended) cable will solve the issue.

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