

DATASHEET

Techly USB-C to HDMI 4k 120Hz extender over Cat.6/6A/7 cable 60m



General data

HDMI extender consisting of a USB-C™ transmitter and an HDMI receiver; Achieves zero-latency transmission over CAT.6/6A/7 network cable of UHD video and audio signals
 Supports 4K@60Hz Type-C video signal transmission up to 60 meters and 25 meters for 4K@120Hz
 Compatible HDMI 2.0, HDCP 2.2, HDCP 1.4; Maximum transmission speed 18Gbps
 Audio formats: PCM, DTS, Dolby; HDR10 supported; HDMI 3D supported; EDID Supported, automatic downscaling
 Ideal for a variety of applications: education, training, conferences, gaming, home entertainment and more.
 TX/RX dimensions: 71.5 (L) x 26.0 (W) x 15.0 (H) mm; ABS material; Black colour

Technical specifications

Voltage

TX: power supply from signal source voltage

RX: DC 5V500mA

Power consumption TX < 3W, RX < 3W

HDMI 2.0

HDCP 2.2, HDCP 1.4

Maximum transmission speed 18 Gbps

Supported resolutions: 1280x720, 1280x960, 1366x768, 1440x900, 1680x1050, 1920x1080, 1920x1200, 720p@50/60Hz, 1080i@50/60Hz, 1080p@24/25/30/50/60/ 120Hz, 2560x1440@50/60/ 120/144Hz,

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3840x2160@24/25/30/50/60/100/120Hz, 4096x2160@24/25/30/50/60Hz

TMDs signal 0.7~1.2Vp-p (TMDs)

DDC signal 5Vp-p (TTL)

Transmission distance:

CAT6/6A/7 4K@60Hz≤60m

2560x1440@120/144Hz ≤30m

4K@100/120Hz≤25m

Audio formats: PCM, DTS, Dolby

HDR10 supported

HDMI 3D supported

EDID Supported, automatic downscaling

ESD protection:

- 1st level 2 contact discharge (±4KV)

- 1b Level 3 air discharge (±8KV)

- Implementation of the standard: IEC61000-4-2

TX/RX dimensions: 71.5 (L) x 26.0 (W) x 15.0 (H) mm

TX weight: 17 g; RX: 17.5g

ABS material

Colour: Black

Environmental characteristics

Working temperature -20~55°C

Storage temperature -30~60°C

Humidity 0~90%RH (non-condensing)

Box Contents

USB-C™ Transmitter

HDMI receiver

USB cable

User Manual

Technical properties

Max. resolution	4K@120Hz
Suitable for 19 inch mounting	False
Video Inputs	HDMI
Video interface	USB-C

Available variants

ArtNr.	Bezeichnung	Number of camera inputs	Number of monitor outputs
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Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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