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@24/25/3 0/50/60/ 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℃
Storage temperature -30~60℃
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
IDATA-EXT-600HC	Techly USB-C to HDMI 4k 120Hz extender over Cat.6/6A/7 cable 60m	1	1

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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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