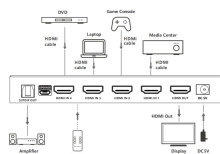


DATASHEET

Techly 4x1 HDMI 2.1 8K 3D Switch with optical SPDIF



General data

HDMI switch capable of connecting four HD input devices to one HDMI output device
 Compatible with HDMI V2.1 devices; Supports HD resolutions up to 8k@60Hz and backwards compatible
 Supports uncompressed audio, such as LPCM 7.1CH. Supports compressed audio, such as DTS Digital, Dolby Digital 7.1CH, DTS-HD and Dolby TrueHD
 Maximum working current: 5V/1A; Colour: Black

IDATA HDMI-2148KT is an 8K 4-in-1-out switch. It supports 4 HDMI signal inputs and 1 HDMI signal output, the maximum resolution is 8K at 60Hz and is backwards compatible.
 A variety of control methods (IR remote control and RS-232 switch) can easily switch the content of the 4 HDMI signal sources on the display. The product is widely used in security monitoring, multimedia entertainment, broadcast, command centers, etc.

Features

- Supports 4 HDMI inputs and 1 HDMI output
- Compatible with HDMI V2.1 devices
- Supports HD resolutions up to 8k@60Hz and backwards compatible
- Supports uncompressed audio, such as LPCM 7.1CH. Supports HDR10+, Dolby Vision, HLG, YUV4:4:4
- Multiple switching modes: IR remote control, RS-232 command control
- Supports additional digital audio output on the S/PDIF port
- Firmware can be updated via Micro USB

This datasheet was created automatically on 11-09-2026 . Technical changes reserved.



DATASHEET

Techly 4x1 HDMI 2.1 8K 3D Switch with optical SPDIF

Supports EDID and HDMI 3D, VRR (free sync, G-sync)
Lightning protection, surge protection, ESD protection

Technical specifications

HDMI resolution: 7680x4320@24/25/30/50/60Hz, 4096x2160@24/25/30/50/60/100/120Hz, 3840x2160@24/25/30/50/60/100/120Hz, 3440x1600@ 60Hz, 3440x1440@60Hz, 2560x1600@60Hz, 2560x1440@60/100/120Hz, 2560x1080@60Hz, 2048x1080@60Hz, 1920x1440@60/100/120Hz, 1080p@50/60/100/120Hz, 1080i@50/60Hz, 720p@50/60Hz

HDMI 2.1

HDCP 2.3

Maximum transmission speed: 48 Gbps

Maximum working current: 5V/1A

Power consumption: < 2W

Dimensions

Width: 160.0 mm

Depth: 58.0 mm

Height: 20.6 mm

Environmental characteristics

Operating temperature: -20 / 60°C

Storage temperature: -30 / 70°C

Operating humidity: 0 to 90% RH

Package contents

1x 4X1 HDMI Switch

1x 5V/1A power supply

1x Remote Control

1x Grounding screw

1x Terminal block

1x User Guide

Technical properties

Max. resolution	7680 x 4320 (8K)
Suitable for 19 inch mounting	False
Video Inputs	HDMI
Video interface	HDMI

Available variants

ArtNr.	Bezeichnung	Unique
IDATA-HDMI-2148KT	Techly 4x1 HDMI 2.1 8K 3D Switch with optical SPDIF	Unique

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.

This datasheet was created automatically on 11-09-2026 . Technical changes reserved.

