

8K 1×4 HDMI 2.1 Splitter with Audio De-Embedding

40Gbps, HDCP 2.3, Optical + 3.5mm Audio, 4K@120Hz, VRR/ALLM, EDID DIP

Distribute one 8K source to four displays with audio de-embedding through optical S/DPDIF and 3.5mm analog. 40Gbps, 8K@60Hz 4:2:0 10-bit, 4K@120Hz 4:4:4 10-bit. Advanced EDID management. Built-in EQ, retiming, and driver.

Surge Protection Recommended

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FEATURES

- ✓ HDMI 2.1 and HDCP 2.3 compliant
- ✓ 40Gbps video bandwidth
- ✓ 8K@60Hz 4:2:0 10-bit, 8K@30Hz 4:4:4 10-bit, 4K@120Hz 4:4:4 10-bit
- ✓ VRR, FVA, ALLM
- ✓ HDR10, HDR10+, Dolby Vision, HLG
- ✓ LPCM, Dolby TrueHD, DTS-HD MA, DSD
- ✓ Audio de-embedding: optical (5.1CH) + 3.5mm (PCM 2.0)
- ✓ Built-in EQ, retiming, driver
- ✓ 8-mode EDID DIP switch
- ✓ Metal enclosure (212 × 94 × 23 mm, 539 g)

PACKAGE

1× 8K 1×4 HDMI Splitter • 1× 12V/2.5A Multinational PSU • 1× User Manual

SPECIFICATIONS

TECHNICAL	
HDMI	HDMI 2.1
HDCP	HDCP 2.3
Bandwidth	40Gbps
Resolution	8K@60Hz 4:2:0, 8K@30Hz 4:4:4, 4K@120Hz 4:4:4
Color	RGB, YCbCr 4:4:4/4:2:2, YUV 4:2:0 • 8/10/12-bit
HDR	HDR10, HDR10+, Dolby Vision, HLG
HDMI Audio	LPCM, Dolby TrueHD, DTS-HD MA, DSD
De-Embed	Optical: LPCM/Dolby/DTS 2–5.1CH • Analog: PCM 2.0



Operation Controls

FRONT PANEL

#	Name	Function
1	Power LED	Green = on.
2	IN LED	Green = active source.
3	OUT 1–4 LEDs	Green = active output.
4	SERVICE	Micro USB firmware/debug.

REAR PANEL

#	Name	Function
5	HDMI IN	Source input.
6	OUT 1–4	Four HDMI display outputs.
7	OPTICAL	S/PDIF audio output (up to 5.1CH Dolby/DTS).
8	L/R	3.5mm analog stereo audio output (PCM 2.0).
9	EDID DIP	8-mode EDID control (see below).
10	DC 12V	12V/2.5A power input.

SPECIFICATIONS (MECHANICAL)

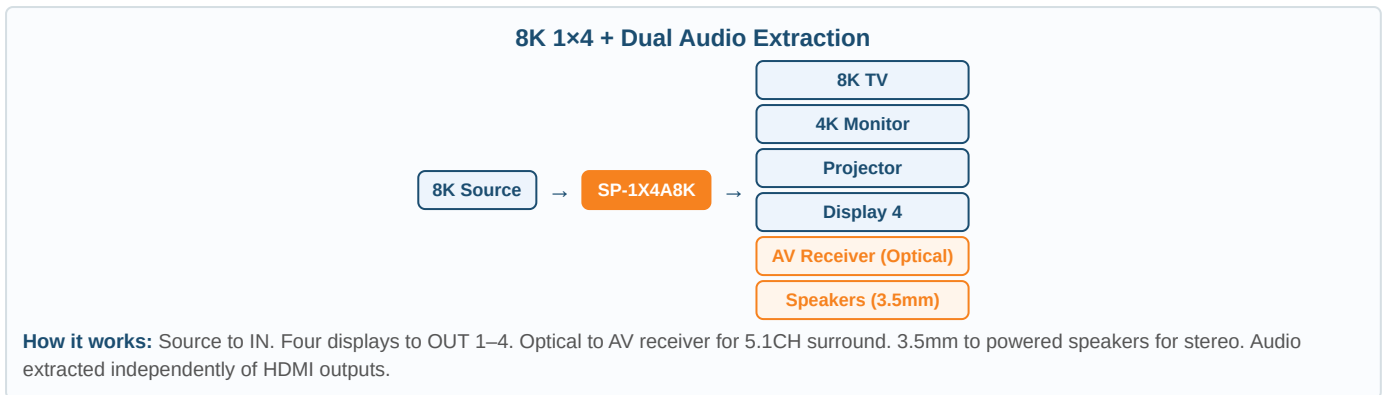
MECHANICAL	
I/O	1× HDMI IN • 4× HDMI OUT • 1× Optical • 1× 3.5mm • 1× Micro USB
Housing	Metal • Black
Dimensions	212 × 94 × 23 mm
Weight	539g
Power	DC 12V/2.5A • 9W max
Temp	0–40°C operating
Humidity	20–90%% RH

EDID DIP Settings

DIP	Mode
111	Copy OUT1 EDID (default)
110	1080p@60Hz, Audio 2CH PCM
101	4K@60Hz 4:4:4, Audio 2CH PCM, HDR
100	4K@60Hz 4:4:4, Audio 5.1CH PCM/DTS/Dolby, HDR
011	4K@60Hz 4:4:4, Audio 7.1CH PCM/DTS/Dolby/HD, HDR
010	8K@60Hz 4:2:0 + 8K@30Hz 4:4:4 + 4K@120Hz, Audio 2CH, HDR
001	8K + 4K@120Hz, Audio 5.1CH, HDR
000	8K + 4K@120Hz, Audio 7.1CH, HDR



Application Example



RECOMMENDED HDMI CABLES

RESOLUTION	CABLE / LENGTH
8K	Ultra HDMI 2.1 — 3m/10ft
4K@60Hz	HDMI 2.0 — 8m/26ft
4K@24Hz	HDMI 1.4 — 12m/39ft
1080p	HDMI 1.4 — 15m/49ft

TROUBLESHOOTING

Q: No signal on one or more outputs?

A: 1) Verify Ultra High Speed HDMI cables. 2) Try EDID DIP 111. 3) Power-cycle. 4) Check display support.

Q: No audio from optical/analog?

A: 1) Verify cable connections. 2) Check EDID DIP audio channel setting matches your setup. 3) Optical supports up to 5.1CH; analog is PCM 2.0 only.

Q: HDR not passing through?

A: Ensure source + display support the HDR format. Try EDID DIP modes 010/001/000 which include HDR.

