

8K 1×4 HDMI 2.1 Splitter with Auto Downscaling

48Gbps, HDCP 2.3, HDR → SDR Converting, Dolby Atmos/DTS:X, EDID DIP

Split one 8K source to four displays with auto downscaling and HDR → SDR conversion. 48Gbps, 8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 12-bit. Each output independently downscales based on display capabilities. HDMI 2.1, HDCP 2.3, VRR/ALLM/QMS/QFT/SBTM.

Surge Protection Recommended

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FEATURES

- ✓ HDCP 2.3 compliant
- ✓ 48Gbps FRL + 18Gbps TMDS
- ✓ Up to 8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 12-bit
- ✓ VRR, ALLM, QMS, QFT, SBTM
- ✓ HDR10, HDR10+, Dolby Vision, HLG
- ✓ LPCM 7.1CH, Dolby TrueHD, Atmos, DTS-HD MA, DTS:X
- ✓ 8K → 4K / 4K → 1080p auto downscaling on all 4 outputs
- ✓ HDR → SDR auto converting per output
- ✓ 8-mode EDID DIP switch
- ✓ Metal enclosure, USB-C service

PACKAGE

1× 48Gbps 1×4 Splitter • 1× 5V/2A Multinational PSU • 1× User Manual



Specifications

TECHNICAL	
HDMI	HDMI 2.1
HDCP	HDCP 2.3
Bandwidth	48Gbps FRL + 18Gbps TMDS
Resolution	8K@60Hz 4:2:0 12-bit, 4K@120Hz 4:4:4 12-bit
Color	RGB, YCbCr 4:4:4/4:2:2/4:2:0 • 8/10/12-bit
HDR	HDR10, HDR10+, Dolby Vision, HLG
Audio	LPCM 7.1, Dolby TrueHD, Atmos, DTS-HD MA, DTS:X, DSD
ESD	±8kV / ±4kV

CONNECTION	
Input	1 × HDMI IN • 1 × SERVICE (USB-C)
Output	4 × HDMI OUT

MECHANICAL	
Housing	Metal • Black
Dimensions	145 × 68 × 17 mm
Weight	263g
Power	DC 5V/2A • 5.5W max
Temp	0–40°C operating

Operation Controls

No.	Name	Function
1	Power LED	Red = on.
2	IN LED	Green = active source.
3	OUT 1–4 LEDs	Green = active output (auto downscaled).
4	DC 5V	5V/2A power.
5	HDMI IN	Source input.
6	SERVICE	USB-C firmware.
7	OUT 1–4	4 HDMI outputs with auto downscaling.
8	EDID DIP	8-mode: 111=Copy OUT1, 110=4K60 2CH, 101–000=FRL 8K HDR.



Auto Downscaling & Converting

Each output independently downscales and converts based on display EDID. Example: 8K HDR source → OUT1 (8K HDR TV): bypass. OUT2 (4K HDR TV): 4K HDR. OUT3 (4K SDR TV): 4K SDR. OUT4 (1080p TV): 1080p SDR.

Note: Downscaling not available for 8K DSC or unsupported resolutions. DVI displays at 1080p will not output audio.

Application Example

8K to 4 Mixed-Resolution Displays



How it works: Connect source to IN. Connect 4 displays to OUT 1–4. Each output auto-delivers native resolution + HDR/SDR per display. No scalers needed.

TROUBLESHOOTING

Q: No signal?

A: Ultra HDMI cables (3m max for 8K). Try EDID DIP 111. Power-cycle.

Q: Downscaling not working?

A: Not supported for 8K DSC. Verify display EDID. Power-cycle all.

