

SP14CAT50

HDMI 2.0b (18Gbps) 50m Splitter

Extender over Category cable



The SP14CAT50 is a HDMI 2.0b (18Gbps) over category cable splitter/extender that supports the entire HDMI 2.0b format including HDR10+, WCG, and HLG. Other features include single ended power (powers from TX), 70m at 1080p (Cat6A), IR return from RX to TX, EDID management, audio breakout, & HDMI loop out.

Features:

- HDMI 2.0b (18Gbps)
- HDR 10+ Support
- Single ended power (from TX)
- 50m @ 4K/70m @ 1080p (Cat6A)
- HDMI loop out
- IR return from RX to TX
- Supports HBR (High Bit Rate Audio)
- Coaxial S/PDIF & 3.5mm mini-jack audio breakout
- Supports all versions of Multi-Channel Audio
- Full EDID management
- 3-Year Warranty

SIMPLIFIED
MFG

Specifications:

Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18 Gbps
Video Resolutions	up to 4K2K@50/60Hz YUV4:4:4, 4K2K@30Hz, 1080P@120Hz, and 1080P 3D@60Hz
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
Color Depth	10-bit, 12-bit
HDMI Audio Formats (Pass-through)	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
ESD Protection	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
Connections	
Inputs	TX: 1x HDMI Type A [19-pin female] 1x RS232 [Phoenix jack]
	RX: 1x RJ45 In [RJ45] 1x IR INPUT [3.5mm Stereo Mini-jack] 1x Locking power input [not used] 1x Service [Mini-USB jack]
Outputs	TX: 4x Category Outputs [RJ45] 1x IR OUTPUT [3.5mm Mono Mini-jack] 1xHDMI Type A [19-pin female] 1x 3.5mm mini jack [audio] 1x Coaxial S/PDIF [audio]
	RX: 1x HDMI Type A [19-pin female]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	TX 210mm/8.25" [W] x 100mm/4" [D] x 25mm/1" [H] RX 88mm/3.5" [W] x 61mm/2.4" [D] x 18mm/0.7" [H]
Weight	TX 595g/21 oz. RX 155g/5.5 oz.
Power Supply	Input: AC100 - 240V 50/60Hz Output: DC 12V/2.5A (US/EU standards, CE/FCC/UL certified)
Power Consumption	14W (Max)
Op. Temperature	32 - 104°F / 0 - 40°C
Storage Temperature	-4 - 140°F / -20 - 60°C
Relative Humidity	20 - 90% RH (no condensation)