

VEO-SPS42

SPLITTERS

4K 18Gbps HDMI® 1x2 Splitter with Cat Extension



PRODUCT OVERVIEW

VEO-SPS42 is an 18Gbps HDMI® 1x2 splitter that allows an HDMI® source signal to be distributed and extended to two remote displays, supporting up to 4K 60Hz 4:4:4 video signals. It includes an HDMI® loop output and two main single Cat outputs, allowing for transmission distances of up to 35 meters for 4K/60Hz, 50 meters for 4K/30Hz, or 70 meters for Full HD over a single Cat 5e or higher cable. In addition, it supports one-way IR control signal pass-through, stereo unbalanced audio extraction on Euroblock connector, EDID management, and RS-232 serial control, making it a reliable and versatile solution for professional video distribution applications.

KEY FEATURES

- Signal distribution and extension over a single Cat 5e or higher cable.
- Support for HDMI 18Gbps 4K 60Hz 4:4:4 as specified in HDMI 2.0b.
- Transmission distance for 4K/60Hz up to 35 meters, 4K/30Hz up to 50m and 1080p /60Hz up to 70m.
- Stereo unbalanced audio extraction via Euroblock connectors.
- Includes an HDMI Loop Out and two RJ-45 extension outputs.
- Support for HDR10, HDR10+, Dolby Vision, and HLG video signals.
- Support for audio formats LPCM 2.0.
- EDID Management.
- HDCP 2.2 compliant.
- IR control extension.
- Support for RS-232 remote control.
- PoC function for the included receivers.

APPLICATIONS

- Retail
- Hospitality
- Corporate
- Sport & Wellness

TECHNICAL SPECIFICATIONS

VEO-SPS42

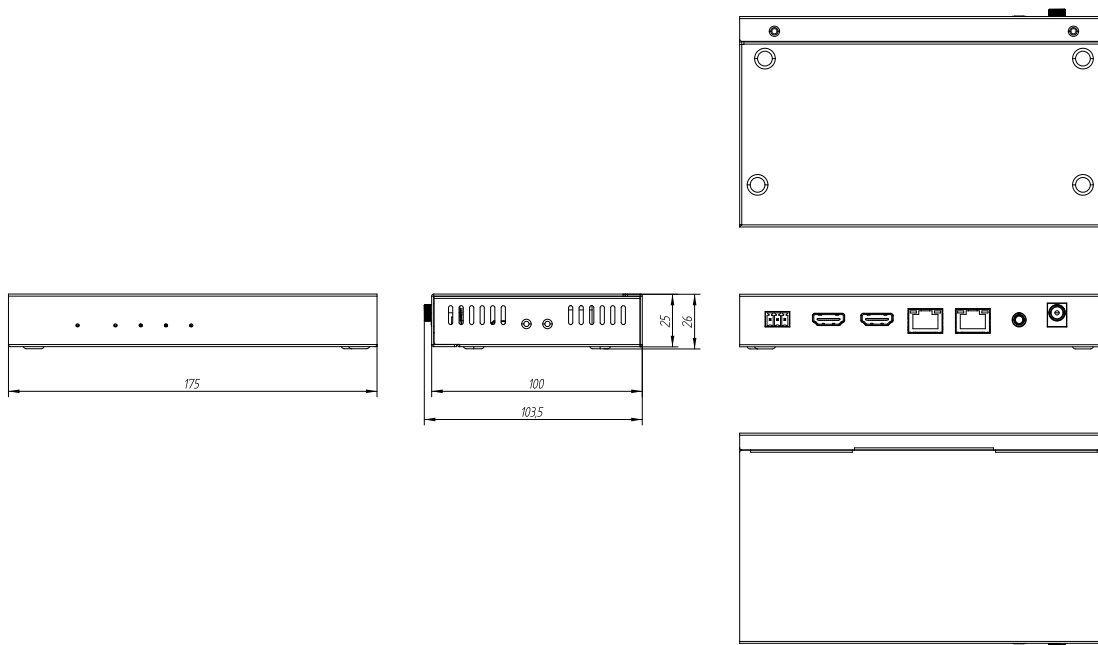
Video performances	
Video Input Connectors	1 x HDMI® Type A Female, 2.0, 18Gbps
Video Output Connectors	1 x HDMI® Type A Female, 2.0, 18Gbps; 2 x RJ-45 Female
Video Input Resolutions	480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 4K up to 60Hz
Video Output Resolutions	HDMI® OUT on VEO-SPS4 RX & HDMI® Loop Out: 480i, 480p, 720i, 720p, 1080i, 1080p up to 60Hz, 4K up to 60Hz
Chroma Subsampling	4:4:4, 4:2:2, 4:2:0
Colour Depth	8-bit (4K 60Hz 4:4:4) , 10-bit / 12-bit (4K 60Hz 4:2:2 – 4:2:0)
Colour Space	RGB, YCbCr, YUV
HDCP	2.2 / 1.4
HDR	HLG, HDR 10, HDR10+, Dolby vision
Scaling Features	No
HDMI® Distance	4K/60Hz: 5m with IN/OUT HDMI® Cable Up to 1080p/60Hz, 4K up to 30Hz: 10m with IN/OUT HDMI® Cable
Audio performances	
Audio Output Connectors	1 x 3-pin unbalanced Euroblock
Audio Formats	LPCM 2.0/2.1/5.1/6.1/7.1, Dolby Digital, Dolby TrueHD, Dolby Digital Plus(DD+), DTS-ES, DTS HD Master, DTS HD-HRA, DTS-X
Sample Rate	48KHz, 96KHz, 192KHz
Bit Depth	Up to 24-bit
Frequency Response	20Hz-20KHz (±3dB)
Device control	
Control Connectors	1 x Micro USB Type B, 1 x DIP Switch
Control Protocols	RS-232
EDID Management	EDID Copy, Internal EDID Options
Status Indicators	Power LED, Link Status LED
Pass-through control	
Pass-through Connectors	1 x IR Jack 3,5mm
Pass-through Protocols	IR
Connection specification	
HDMI® Extension	Point-to-Point extension with zero latency
Transmission Distance	4K/60Hz up to 35m with Cat 5e or higher (600Mhz) 4K/30Hz up to 50m with Cat 5e or higher (300Mhz) 1080p/60Hz up to 70m with Cat 5e or higher (148,5Mhz)
Electrical	
Power supply	External: Input 100-240VAC 50-60Hz 0.3A, Output 12VDC-1A
AC mains connector	External PSU. Included 4 region power blades (UK,US,AU,EU)
DC mains connector	DC Locking
Power consumption	8.28W
Physical	
Operating temperature	Min: 0°C; 32°F Max: 40°C; 104°F
Operating humidity	20% to 90% HR, non-condensing

Storage temperature	Min: -20°C ; -4°F Max: 60°C ; 140°F
Storage humidity	40% to 60% HR, non-condensing
Included accessories	2 x VEO-SPS4 Receiver, 2 x IR Receiver cable (1.5 meters), 1 x IR Blaster cable (1.5 meters), 1 x 3-pin 3.5mm Euroblock connector, 4 x Mounting ears (Receiver), 2 x Mounting ears (Splitter), 12 x Mounting screw, 1 x PSU 12V/1A
Dimensions (WxHxD)	<ul style="list-style-type: none">• VEO-SPS42 (Splitter TX): 175 x 25 x 100 mm / 6.89 x 0.98 x 3.94 in.• VEO-SPS4 (Receiver RX): 88 x 18 x 61 mm / 3.46 x 0.71 x 2.4 in.
Weight	<ul style="list-style-type: none">• VEO-SPS42 (Splitter TX): 0.485 Kg / 1.07 lb• VEO-SPS4 (Receiver RX): 0.155 Kg / 0.34 lb
Shipping dimensions (WxHxD)	293 x 76 x 222 mm / 11.54 x 2.99 x 8.74 in.
Shipping weight	1.278 kg / 2.82 lb
Chassis material	Metal
Finished colour	Black

MECHANICAL DIAGRAM



Ecler VE0-SPS42 Mechanical Diagram



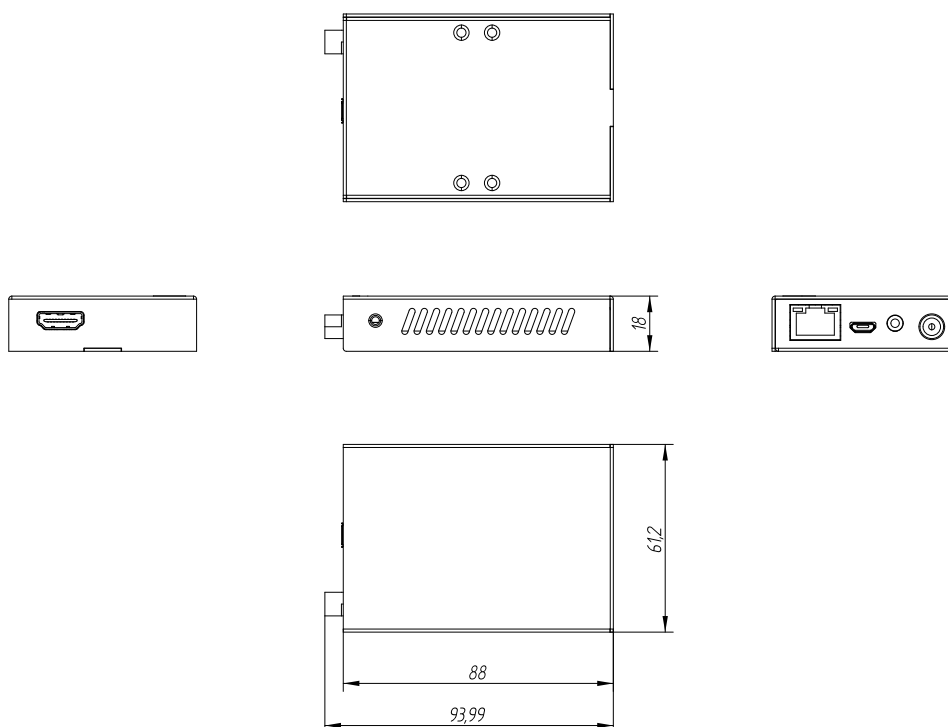
All the measurements are in mm

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Ecler VE0-SPS4 RX Mechanical Diagram



All the measurements are in mm

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All product characteristics are subject to variation due to production tolerances. **NEEC AUDIO BARCELONA S.L.** reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

For technical queries contact your supplier, distributor or complete the contact form on our website, in [Support / Technical requests](#).

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