



Features and Benefits

- Connect two HDMI monitors, projectors or LCD displays to a single HDMI video source
- Powered from the HDMI signal
- Supports 16:10 computer resolutions to 1920×1200@60Hz, and 16:9 video resolutions to 3840×2160@30Hz
- Video bandwidth to 340MHz per channel for a combined data rate of 10.2Gbps
- Supports 36-bit Deep Color and 3D video
- Handles HD multi-channel uncompressed audio
- HDCP 1.4/2.2 compliant
- Link LEDs for input and output video
- Gold plated HDMI connectors

- ▶ Output an HDMI signal to two separate displays
- ▶ Supports resolutions to 4K@30Hz
- ▶ Works with 3D video and 36-bit deep color
- ▶ Handles HD multichannel uncompressed audio
- ▶ HDMI signal powered, needs no external supply
- ▶ Input and output active video LED indicators
- ▶ HDCP compliant
- ▶ Built-in input cable eliminates extra cable

Product Overview

The Rose Electronics VideoSplitter HDMI 4K PT is a versatile device that can be used in a variety of applications. It is ideal for classrooms, boardrooms, trade shows, exhibition displays, and digital signage. It enables simultaneous viewing of a single HDMI high definition video source between two HDMI displays or projectors.

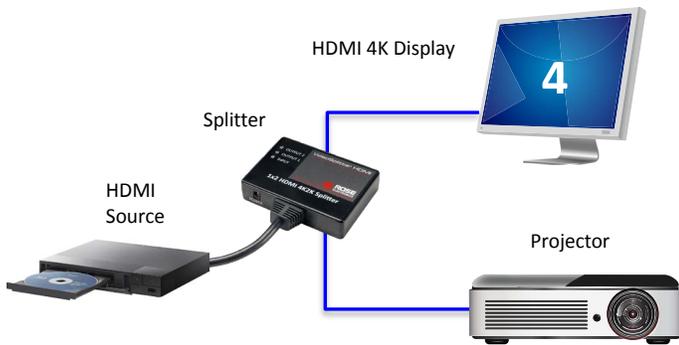
The VideoSplitter HDMI 4K PT is easy to use. Simply connect the unit between the desired video source and destination displays and the unit is ready to use. No software installation is required.

The VideoSplitter HDMI 4K PT is powered by the HDMI video source and can function without an external power supply. When an (optional) external power supply is used, the splitter can send signals as far as 33ft (10m) away.

Video resolutions up to 3840×2160@30 are transmitted to high-definition displays. Lower resolutions such as 1920×1200 are also supported. The unit is fully capable of handling HDR 36-bit per channel deep color and 3D video.

Audio is also well supported. The unit does not alter the HD multi-channel uncompressed audio that is embedded in the HDMI signal.

Typical Application



VideoSplitter HDMI 4K PT configuration

Introduction The versatile VideoSplitter HDMI 4K PT can be used for exhibition displays, HDTV retail signage, set-top box, DVD, and projector applications. It is ideal for use in classrooms, boardrooms or trade shows. The VideoSplitter can be used for any application where a single HDMI video source is to be cloned to two high definition displays.

Installation The VideoSplitter HDMI 4K PT is simple to install. Turn off power to the video source and the destination displays. Connect the attached HDMI cable to the video source. Using HDMI cables (not included), connect the output HDMI connectors on the unit to the destination displays.

As the VideoSplitter HDMI 4K PT is HDMI interface powered, it is not necessary to use a power supply, however for longer cable lengths, it may be necessary to connect an external power adapter to the unit.

Power up the displays, followed by video source. If no video is seen on the displays, or if the video is of poor quality, apply external power to the unit.

Cables Two HDMI cables are needed to connect the VideoSplitter HDMI 4K PT to the display monitors, to another unit to cascade it, or any of Rose Electronics CATx or fiber extenders.

Specifications

Dimensions (W x D x H)	3.2" x 2.3" x 0.71" 81.3 x 58.4 x 18 mm
Power	HDMI interface powered Optional: 100-240 VAC, 50-60Hz, +5VDC 2A
Video resolutions supported	16:10: Up to 1920x1200@60Hz 16:9: 720p, 1080i, 1080p 4K(3840x2160p) 4:3: 480i, 480p, 576i, 576p
Video format	HDMI 1.4b plus HDCP 1.4/2.2
Video bandwidth	10.2Gbps/340MHz
Color depth	36-bit per channel, Deep color and 3D video
Signal LED's	1 x HDMI active input signal LED 2 x HDMI active output signal LED's
Connectors	Input: 23 inch (580mm) integrated HDMI cable Output: HDMI: 2xHDMI female External Power: Barrel jack
Environment	Operating temp: 32°F – 104°F (0°C – 40°C) Storage temp: -4°F – 140°F (-20°C – 60°C) Rel. humidity: 20% to 90% non-condensing
Approvals	FCC part 15 Class B, ICES-003

Part numbers

VS-1x2HDMI-4K/PT	2 port HDMI 4K Video Splitter
CAB-HDMIMMnnn	HDMI male to male cable, nnn = length
TFR-05D500WSUB-1.3F	Power supply (optional)

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