VideoSplitter HDMI 4K60

ULTRA HIGH DEF VIDEO SPLITTER

► Distribute a single HDMI UltraHD 4K2K signal to 2, 4 or 8 HDMI monitors

► Supports HDMI video up to 4K2K@60Hz

► Supports all 3D video formats and digital audio

► HDCP 2.2 / 1.4 compliant

► User adjustable EDID management

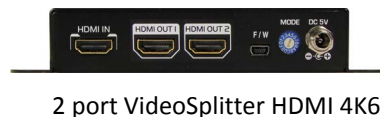► Uses standard length HDMI compliant cables

Features and Benefits

- Connect two, four or eight HDMI LCD displays or projectors to a single HDMI video source

- Three models available: 2-ouputs, 4-outputs, and 8-ouputs

- Video capability includes 4K2K@60 4:4:4 8bits and HDR 4K2K@60 4:2:0 10bit

- Video bandwidth to 600MHz per channel for a combined data rate of 18Gbps

- Ideal for HDTV retail signage, exhibition displays, STB, DVD, boardroom, and projector applications

- HDMI 2.0a compliant

- HDCP 2.2 and 1.4 compliant

- Video supports all 3D modes, xvYCC, x.v.Color, and Deep Color

- Audio support includes Dolby Digital, DTS-HD, and Dolby TrueHD audio

- Rotary dial to manage EDID with built-in settings or EDID learning from displays

- Mini-USB connector to update firmware

- Cascading feature to increase number of output displays

- Built-in surface mounting bracket

Product Overview

The VideoSplitter HDMI 4K60 provides an invaluable and cost-effective method for distributing an HDMI UltraHD video source to multiple HDMI/DVI displays. If DVI monitors are used, then an additional HDMI-DVI adapter cable will be required.

It is an essential tool for users who need to quickly assemble a professional video display environment such as exhibition demonstrations, training seminars and meeting room presentations.

If some display monitors are located at an extended distance from the video source, or on different floors of a building, then use one of Rose Electronics' HDMI extenders for long distance CATx or fiber extension. For added convenience, the VideoSplitter HDMI 4K60 can be cascaded to provide additional ports.
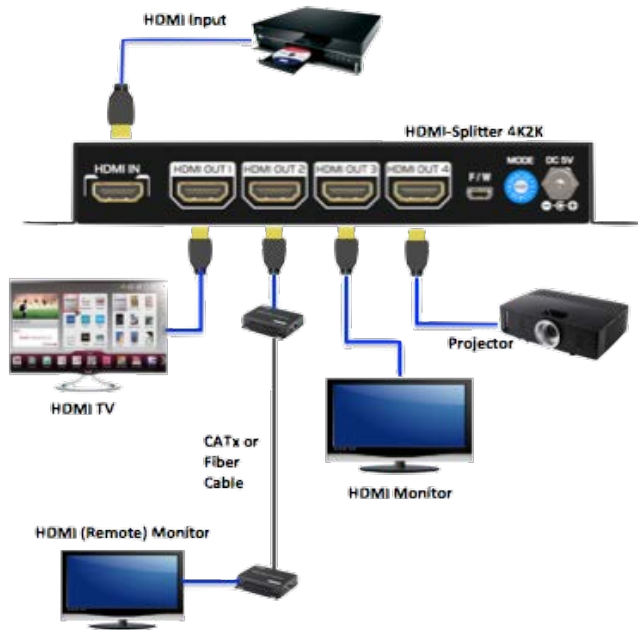

2 port VideoSplitter HDMI 4K60

4 port VideoSplitter HDMI 4K60

8 port VideoSplitter HDMI 4K60

ROSE ELECTRONICS

WWW.ROSE.COM

Typical Application

VideoSplitter HDMI 4K60 with extended video

Application examples

Other application environments for the VideoSplitter HDMI 4K60 include shopping centers, control rooms, dealer rooms, restaurants, hospitals, and security.

Mode Dial Control

The rotary dial configures settings for UltraHD (4K2K@60), Full HD (1080p@60), and HD (1080p@30, 1080i@60 and 720p@60). The dial is also used for selecting the EDID Learning and EDID Automatic settings for uploading new monitor information. The Mini USB port is used for firmware updates.

Installation The VideoSplitter HDMI 4K60 is simple to install. Turn off power to the video source and the destination displays. Set the rotary dial to the selection as desired. Most of the time the default setting is correct and no configuration is required. Connect an HDMI input cable to the video source. Using HDMI cables connect the display monitors to the HDMI output ports. Power up the displays, followed by the video splitter and then the video source.

Specifications

Dimensions (W x D x H)	2 port: 4.4 x 2.5 x 1.0" (113 x 62.5 x 25mm) 4 port: 6.1 x 3.3 x 1.0" (154 x 83 x 25mm) 8 port: 9.5 x 3.9 x 1.0" (243 x 98 x 25mm) Total width including bracket: Width + 30mm Mounting holes center to center: Width + 15mm
Weight	2 port: 1.02 lbs (460g) 4 port: 1.28 lbs (580g) 8 port: 1.9 lbs (880g)
Power	100-240 VAC, 50-60Hz, +5VDC 4A
Video resolutions supported	4K2K@60Hz (4:2:0, 10 bits), 384 MHz 4K2K@60Hz (4:4:4, 8 bits), 594MHz All 3D video formats xvYCC, x.v.color and deep color
Digital audio	7.1 channel LPCM, Dolby True HD Dolby Digital™ and DTS-HD Master Audio™, DVD-Audio, SACD, MPCM
Video bandwidth	Up to 18Gbps. 25-600MHz/channel
Compliance	HDMI 2.0a, DVI 1.0, HDCP 2.2/1.4
EDID management	Automatically detects/learns EDID as controlled by rotary dial
ESD protection	Human Body Model - +/- 19kV (air-gap discharge and +/- 12kV contact discharge), Core Chipset - +/-2kV
Connectors	Output: 2,4 or 8 × HDMI Type A Input: 1 × HDMI Type A 1 × DC power jack 1 × mini USB for firmware upgrade
Environment	Operating temp: 32°F − 104°F (0°C − 40°C) Rel. humidity: 20% to 90% non-condensing
Approvals	FCC, CE, RoHS

Part numbers

VSP-2XHDMI-4K2K	2 port HDMI VideoSplitter HD4K2K
VSP-4XHDMI-4K2K	4 port HDMI VideoSplitter HD4K2K
VSP-8XHDMI-4K2K	8 port HDMI VideoSplitter HD4K2K
CAB-HDMIMMnnn	HDMI male to male cable, nnn = length
ACC-DVIFHDMIM	HDMI(M) to DVID(F) adapter cable

WWW.ROSE.COM ▪ sales@rose.com ▪ **(800) 333-9343**

Rose Electronics ▪ 10707 Stancliff Road ▪ Houston, Texas 77099
Rose USA (281) 933-7673 ▪ Rose Europe +49 (0) 2454 969442
Rose Asia +65 6324 2322 ▪ Rose Australia +61 (0) 421 247083
datasheet-videosplitter-hdmi-4k60-2017-12-23.docx

ROSE ELECTRONICS
WWW.ROSE.COM