



1 x 4 4K HDMI Splitter with Scaler

The VLSP-14H20D is a 1 x 4 HDMI splitter with scaler, reliably distributes one HDMI input signal to four outputs at resolutions up to 4K@60Hz 4:4:4 chroma subsampling. It supports HDCP 2.2 and HDMI 2.0b specifications. With the built-in scaler, when connected to different displays, the corresponding HDMI output is capable of scaling down automatically (down to 1080P) to feed an optimal output signal to its attached display.

Featured Highlights

- Distributes one HDMI input signal to four HDMI displays.
- Supports HDMI 2.0b Specifications, including:
 - Data rates up to 18.0 Gbps
 - HDR and 3D
 - HD lossless audio formats
- HDCP 2.2 compliant.
- Each HDMI output supports scaling down to 1080P individually (fps will not change during scaling down from 4K to 1080P).
- Automatic input cable equalization for signal regeneration compensation.

VIDEO

Input/Output Signal Type	HDMI with 4K@60Hz 4:4:4, HDCP 2.2, HDR, 3D, Scaler
Input/Output Resolution Supported	Up to 4096x2160@60Hz, include 4K@60Hz /4K @30Hz /1080P/1080i/720P
Deep color	4K: 8/10/12 bit 1080P: up to 16 bit
Maximum Data Rate	18 Gbps
Maximum Pixel Clock	600MHz

AUDIO

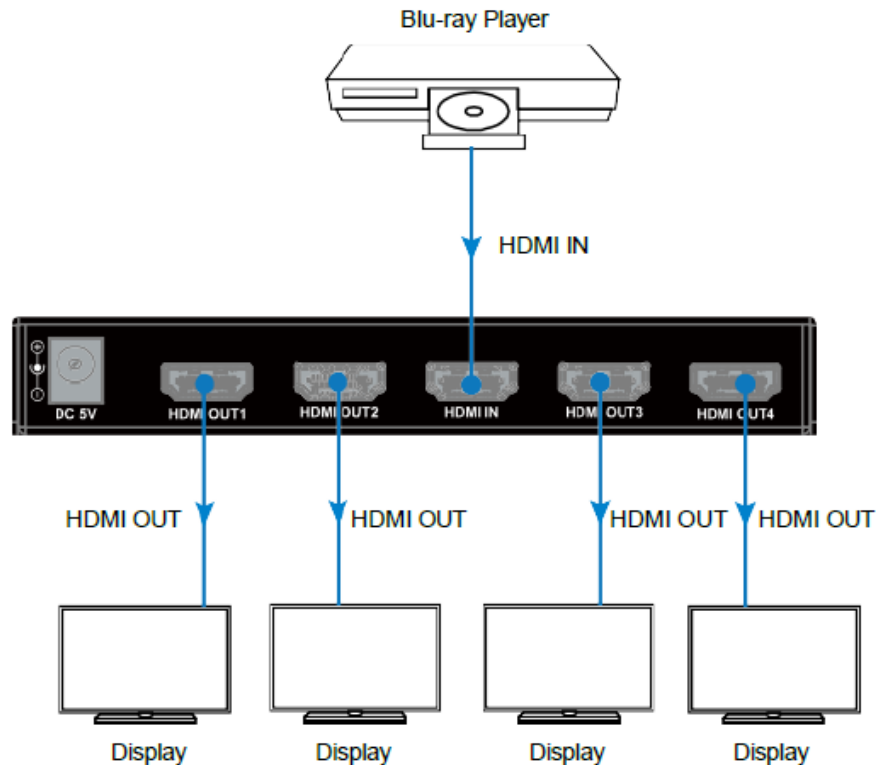
Audio Format Supported	Fully supports audio formats in HDMI 2.0 specification, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X
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TRANSMISSION DISTANCE

Cable	Range	Supported Video
HDMI	Input/Output: 15m/50ft	1080P@60Hz
	Input: 10m/33ft Output: 15m/50ft	4K@30Hz
	Input/Output: 5m/16ft	4K@60Hz

MECHANICAL

Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
Product Weight	0.24kg/0.53lb
Power Supply	DC 5V 1A
Power Consumption (Maximum)	4K: 1.8W 1080P: 1.1W
Transport Distance	100m
Product Dimension	140mm x 20mm x 65.2mm/ 5.5" x 0.8" x 2.6"
ESD Protection	Human-body Model: ±8kV(Air-gap discharge) ±4kV(Contact discharge)

Classic Application Example

Applications

AV distribution system in Digital signage, Shopping malls, Video-wall, etc.