

## VD01XX-UH Series HDMI Splitter



### Key Features

- Supports HDR, and Dolby Vision.
- Supports EDID.
- Supports 18Gbps bandwidth and other latest HDMI standards.
- Supports HDMI 2.0b and HDCP 2.2.
- YCbCr 4:4:4 input and output images.
- 4K2K@60Hz input resolution.
- 4K2K@60Hz output resolution.
- Supports high resolution VESA mode video format up to QSXGA@60Hz
- Reasonable design, efficient installation.

### Specifications

Model	VD0102-UH	VD0104-UH	VD0108-UH	VD0116-UH
<b>Parameters</b>				
HDMI	HDMI 2.0b			
HDCP	HDCP 2.2			HDCP 2.2/1.x
Video bandwidth	18Gbps			
Video resolution	4K2K@24/25/30/60Hz	4k2k@24/30/60Hz 480i~1080p50/60Hz	4K2K@24/30/60Hz, 480i~1080p50/60Hz	Up to 4k2k@50/60Hz 4:4:4
Color space	RGB, YCbCr 4:4:4	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0	RGB, YCbCr 4:4:4, YCbCr 4:2:2	RGB, YCbCr 4:4:4, YCbCr 4:2:2, YCbCr 4:2:0

Model	VD0102-UH	VD0104-UH	VD0108-UH	VD0116-UH
Color depth	8/10/12-bit			8-bit,10-bit,12-bit(1080p@60Hz) 8-bit (4K2K@60Hz YUV4:4:4) 8-bit,10-bit,12-bit(4K2K@60Hz YCbCr 4:2:2/4:2:0)
HDMI audio format	LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master	LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master	PCM 2CH, LPCM 7.1/5.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos and DTS:X	PCM2.0/5.1/7.1CH, Dolby 5.1, DTS5.1, Dolby-TrueHD, DTS-HD
HDR format	/	/	/	Support HDR, HDR10, HDR10+, HLG, Dolby vision
ESD protection	±8kV (air discharge), ±4kV (contact discharge)			
<b>Connection</b>				
Input	HDMI×1			
Output	HDMI×2	HDMI×4	HDMI×8	HDMI×16
<b>Body</b>				
Case	Metal			
Color	Black			
Dimensions (W×D×H) (mm)	100×56×16	163×63×16	243×102×16	300×100×28
Weight (g)	165	260	572	900
Power supply	Input: AC 100V to 240V 50/60Hz Output: DC 5V/1A	Input: AC 100V to 240V 50/60H Output: DC 5V/1A	Input: AC 100V to 240V 50/60Hz Output: DC 12V/1A	Input: AC 100V to 240V 50/60Hz Output: DC 12V/2.5A
Power consumption (W) (Maximum)	2	2	6.15	12
Operating temperature	0°C to 40°C			

Model	VD0102-UH	VD0104-UH	VD0108-UH	VD0116-UH
Operating humidity	20% to 90% RH (non-condensing)			
Storage temperature	-20°C to 60°C			

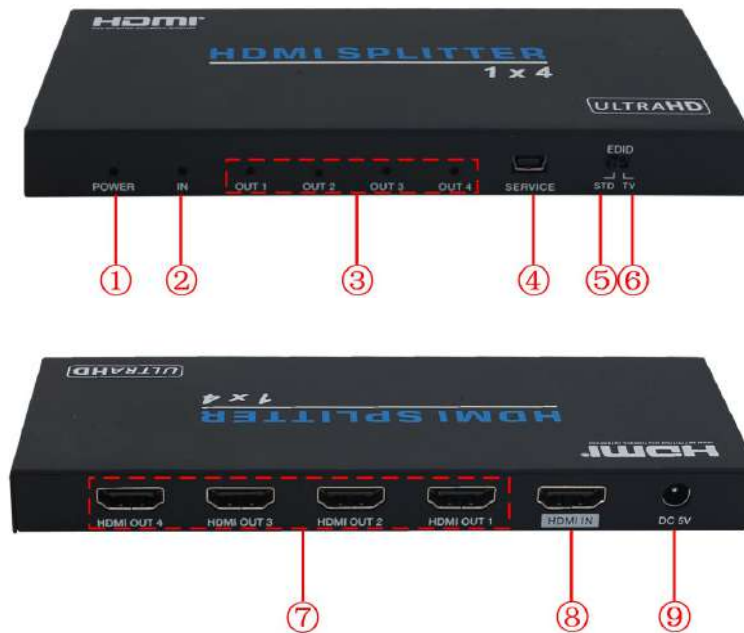
## Interfaces

### VD0102-UH Front/Back Panel



Number	Name	Function
1	Power LED	The blue LED is lit when power is connected.
2	IN LED	The blue LED is lit when HDMI IN is connected to an active video source.
3	OUT LED(1~2)	The blue LED is lit when HDMI OUT is connected to an active display device.
4	EDID STD	All HDMI OUT interfaces output video at 1080P@60Hz.
5	EDID TV	The splitter copies the EDID of HDMI OUT 1 to all the other output interfaces. If EDID is not available in HDMI OUT 1, the splitter outputs video at 1080P@60Hz.
6	HDMI OUT(1~2)	HDMI output interfaces 1 to 2.
7	HDMI IN	HDMI input.
8	DC 5V	5V DC power output, 1A.

### VD0104-UH Front/Back Panel



Number	Name	Function
1	Power LED	The blue LED is lit when power is connected.
2	IN LED	The blue LED is lit when HDMI IN is connected to an active video source.
3	OUT LED(1~4)	The blue LED is lit when HDMI OUT is connected to an active display device.
4	SERVICE	Used for firmware upgrade.
5	EDID STD	All HDMI OUT interfaces output video at 1080P@60Hz.
6	EDID TV	The splitter copies the EDID of HDMI OUT 1 to all the other output interfaces. If EDID is not available in HDMI OUT 1, the splitter outputs video at 1080P@60Hz.
7	HDMI OUT(1~4)	HDMI output interfaces 1 to 4.
8	HDMI IN	HDMI input.
9	DC 5V	5V DC power output, 1A.

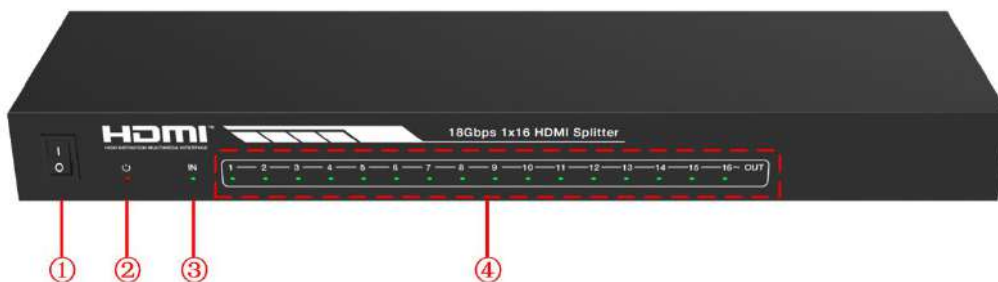
### VD0108-UH Front/Back Panel

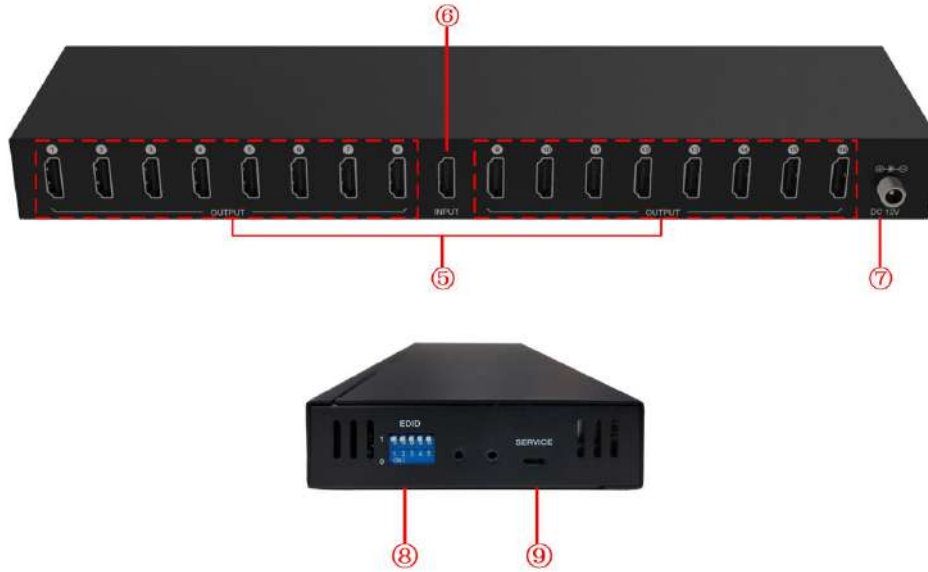




Number	Name	Function
1	Power LED	The blue LED is lit when power is connected.
2	IN LED	The blue LED is lit when HDMI IN is connected to an active video source.
3	OUT LED(1~8)	The blue LED is lit when HDMI OUT is connected to an active display device.
4	SERVICE	Used for firmware upgrade.
5	EDID COPY	The unit will read the EDID setting of the HDMI OUT 1 display device to source device, the source device will send again matching the OUT 1 display device signal to all HDMI outputs. If no HDMI OUT 1 capable EDID is detected then the unit will read the EDID setting of the HDMI OUT 2 display device to source device . The priority order is OUT 1 to OUT 8.
6	EDID AUTO	The unit will compare the EDID setting of the HDMI OUT 1~8 port displays device then send the best EDID signal to source device, the source device will send again matching the display device signal to all outputs.
7	HDMI OUT(1~8)	HDMI output interfaces 1 to 8.
8	HDMI IN	HDMI input.
9	DC 12V	12V DC power output, 1A.

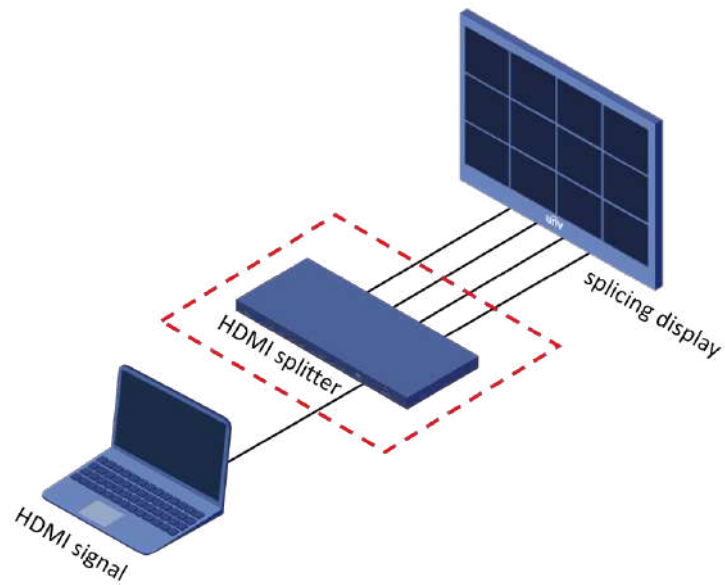
## VD0116-UH Front/Back/Rear Panel





Number	Name	Function
1	Power switch	Press this switch to power on/off the device.
2	Power LED	When the device is powered on, the power LED will be on
3	IN LED	The green LED is lit when HDMI IN is connected to an active video source.
4	OUT LED(1~16)	The green LED is lit when HDMI OUT is connected to an active display device.
5	HDMI OUT(1~16)	HDMI output interfaces 1 to 16.
6	HDMI IN	HDMI input.
7	DC 12V	12V DC power output, 2.5A.
8	EDID DIAL switch	Used to set EDID mode.
9	SERVICE	Used for firmware upgrade.

### Typical Application



### Order Information

Model	Remarks
VD0102-UH	HDMI Splitter 1 In 2 Out
VD0104-UH	HDMI Splitter 1 In 4 Out
VD0108-UH	HDMI Splitter 1 In 8 Out
VD0116-UH	HDMI Splitter 1 In 16 Out

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\*Product specifications and availability are subject to change without notice