

# 1 X 16 HDMI SPLITTER WITH EDID



**BRAND: PRITECH**  
**PART NO: PA-HDV-16**

## OVERVIEW:

The 18Gbps 1x16 HDMI Splitter allows one HDMI source to be simultaneously distributed to 16 HDMI displays. It supports video resolutions up to 4K2K@50/60Hz with 4:4:4 chroma subsampling. The splitter features advanced EDID management and is compatible with HDR formats including HDR, HDR10, HDR10+, HLG, and Dolby Vision. Ideal for use in multimedia conference rooms, educational displays, large-screen setups, and similar applications.

## FEATURES:

- HDMI 2.0b, HDCP 2.2 / 1.x and DVI 1.0 compliant
- Support 18Gbps video bandwidth
- Support video resolution up to 4K2K@50/60Hz 4:4:4
- Support digital audio format: DTS-HD/Dolby-true-HD/LPCM 7.1/DTS/Dolby-AC3/DSD
- Support HDR, HDR10, HDR10+, HLG and Dolby vision
- Advanced EDID management
- Compact design for easy and flexible installation

## TECHNICAL SPECIFICATIONS:

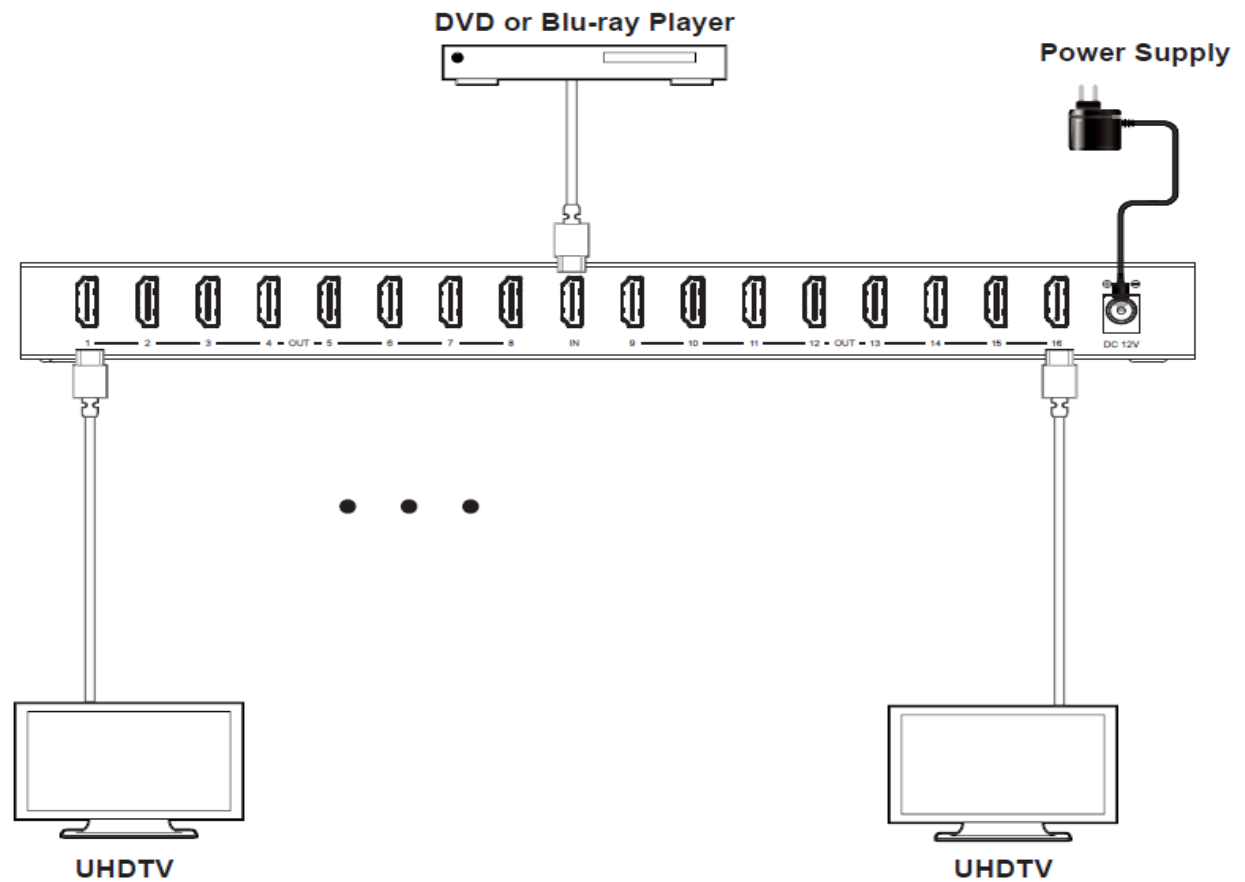
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2/1.x
Video Bandwidth	594MHz/18Gbps

<b>Video Resolution</b>	Up to 4k2k@50/60Hz 4:4:4
<b>Color Depth</b>	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)
<b>Color Space</b>	RGB 4:4:4, YCbCr 4:4:4, YCbCr 4:2:2/4:2:0
<b>HDR</b>	Support HDR, HDR10, HDR10+, HLG, Dolby vision
<b>HDMI Audio Formats</b>	PCM2.0/5.1/7.1CH, Dolby 5.1, DTS5.1, Dolby TrueHD, DTS-HD
<b>ESD Protection</b>	Human body model—±8kV (Air-gap discharge) &±4kV (Contact discharge)
<b>Input Port</b>	1x HDMI Type A (19-pin female)
<b>Output Ports</b>	16x HDMI Type A (19-pin female)
<b>Control</b>	1x SERVICE (Micro USB, Update port) 1x DIAL switch [5-pin]
<b>Housing</b>	Metal Enclosure
<b>Silkscreen Color</b>	Black
<b>Dimensions</b>	300mm (W) x 100mm (D) x 28mm (H)
<b>Weight</b>	900g
<b>Power Supply</b>	Input: AC100 - 240V 50/60Hz, Output: DC 12V/2.5A (US/EU standards, CE/FCC/UL certified)
<b>Power Consumption</b>	12W
<b>Operation Temperature</b>	32°F - 104°F / 0°C - 40°C
<b>Storage temperature</b>	-4°F - 140°F / -20°C - 60°C
<b>Relative Humidity</b>	20 - 90% RH (no condensation)

## APPLICATIONS:

- Multimedia conference rooms
- Smart classrooms and TV-based teaching setups
- Large-screen digital display systems
- Home theatre and entertainment systems
- Exhibition and demo setups
- Control rooms and surveillance display
- Retail digital signage and video walls

## MECHANICAL DIAGRAM:



## PRITECH AUTOMATION PRIVATE LIMITED

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