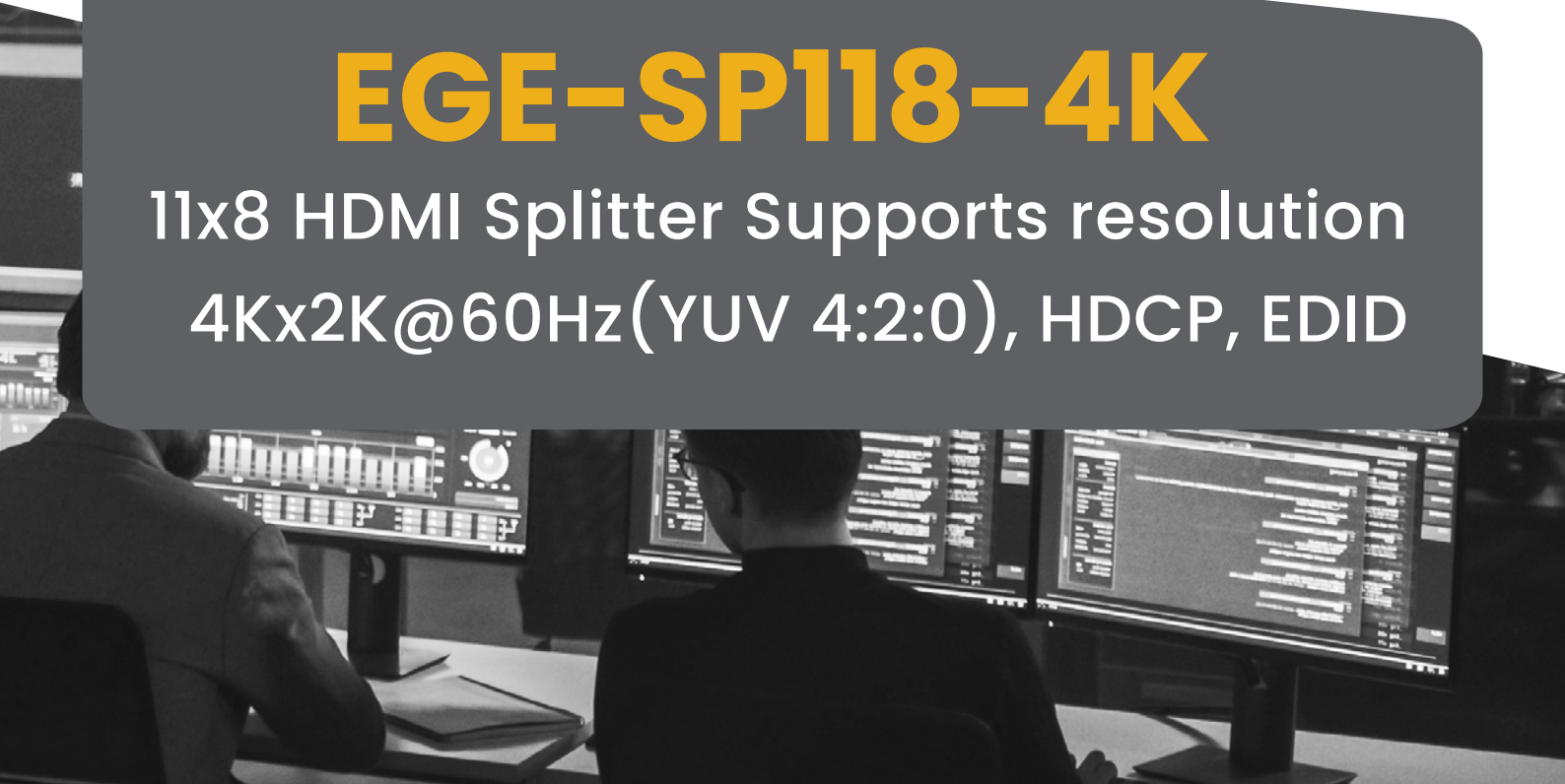


geratech®



## EGE-SP118-4K

11x8 HDMI Splitter Supports resolution  
4Kx2K@60Hz(YUV 4:2:0), HDCP, EDID





**Thank you for purchasing this product**

For optimum performance and safety, please read these introduction carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

**Surge protection device recommended**

This product contains sensitive electrical componenets that may be damage by electrical spikes, surges, electric shock, lightning strikes, etc. Use of surge protection system is highly recommended in order to protect and extend the life of your equipment.

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## 1. Introduction

1x8 HDMI Splitter distributes 1 HDMI source to 8 HDMI displays simultaneously. It offers HD video solution for super market, shopping mall, HDTV/STB/DVD/Projector/DVR factory, data control center, information distribution, conference room presentation, education and training, corporation showroom, luxurious house etc.

## 2. Features

- Split 1 HDMI input signal to 8 HDMI sink devices.
- HDCP 1.4 protocol compliant.
- 3D HDMI 1.4b video format support.
- 3D video support including Frame packing for all 3D formats up to a 297MHz TMDS clock.
- Support display resolutions up to 4Kx2K@30Hz, 1080p@120Hz, and 1080p 3D@60Hz
- Support deep color 30bit, 36bit, 48bit per pixel
- Digital audio format , as DTS-HD/Dolby-true-HD/LPCM 7.1/DTS/Dolby-AC3/DSD

## 3. Package Contents

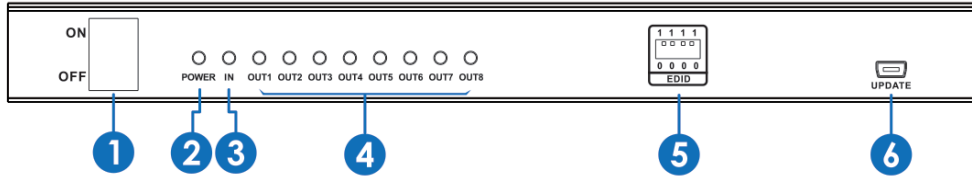
- 1 x HDMI Splitter
- 1 x 5V2A DC Power Supply Adaptor
- 1 x Operation Manual

**4.Specification**

<b>Technical</b>	
<b>HDMI Compliance</b>	HDMI 1.4b
<b>HDCP Compliance</b>	HDCP 1.4
<b>Frequency Bandwidth</b>	297MHz[10.2Gbps]
<b>Video Resolutions</b>	480i@60Hz,480p@60Hz,576i@50Hz,576p@50Hz , 720p@50/60Hz,1080i@50/60Hz,1080p@24/30/50/60Hz, 4K@30Hz@8bit(YCbCr4:4:4), 4K@60Hz@8bit(YCbCr4:2:0);
<b>Color Space</b>	RGB, YCbCr 4:4:4, YCbCr 4:2:2
<b>Color Depth</b>	30bit, 36bit, 48bit per pixel.
<b>Digital audio format</b>	LPCM 2/5.1/7.1CH, Dolby Digital, DTS 5.1, Dolby Digital+, Dolby TrueHD, DTS-HD Master Audio, Dolby Atmos, DTS:X
<b>ESD Protection</b>	Human body model — ±8kV (air-gap discharge) & ±4kV (contact discharge)
<b>Connections</b>	
<b>HDMI Splitter Input Ports</b>	1x HDMI Type A [19-pin female]
<b>HDMI Splitter Output Ports</b>	8x HDMI Type A [19-pin female]
<b>Mechanical</b>	
<b>Housing</b>	Metal Enclosure
<b>Color</b>	Black
<b>Dimensions</b>	118 mm[W] x 250mm[D] x 32mm[H]
<b>Weight</b>	720g
<b>Power Supply</b>	DC 5V 2A
<b>Power Consumption</b>	10W (Max)
<b>Operation Temperature</b>	32 - 104°F / 0 - 40°C
<b>Storage temperature</b>	-4 - 140°F / -20 - 60°C
<b>Relative Humidity</b>	20 - 90% RH (no condensation)

## 5. Operation Controls and Functions

### 5.1 Front Panel



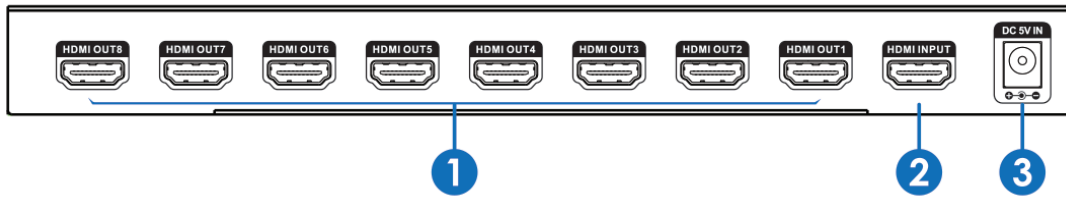
- 1 ON/OFF:** Power on/off switch.
- 2 POWER LED:** This red LED illuminates when the device is connected with power supply.
- 3 INPUT LED:** This red LED illuminates when the HDMI signal plugs in.
- 4 OUTPUT LED:** These red LEDs illuminates when the TV plugs in corresponding HDMI output Port.
- 5 EDID Selector:** Select HDMI output signal format via EDID Selector

Position	EDID Description
0 0 0 0	Copy EDID from HDMI OUT1
0 0 0 1	1080p, 2CH AUDIO
0 0 1 0	1080p, DOLBY/DTS 5.1
0 0 1 1	1080p, HD AUDIO
0 1 0 0	1080i, 2CH AUDIO
0 1 0 1	1080i, DOLBY/DTS 5.1
0 1 1 0	1080i, HD AUDIO
0 1 1 1	3D,1080p, 2CH AUDIO

<b>1 0 0 0</b>	3D, 1080p,DOLBY/DTS 5.1
<b>1 0 0 1</b>	3D,1080p, HD AUDIO
<b>1 0 1 0</b>	4Kx2K, 2CH AUDIO
<b>1 0 1 1</b>	4Kx2K, DOLBY/DTS 5.1
<b>1 1 0 0</b>	4Kx2K, HD AUDIO
<b>1 1 0 1</b>	1080p, 2CH AUDIO
<b>1 1 1 0</b>	1080p, 2CH AUDIO
<b>1 1 1 1</b>	Auto Compare HDMI OUTPUT EDID

**6 UPDATE:** System software update.

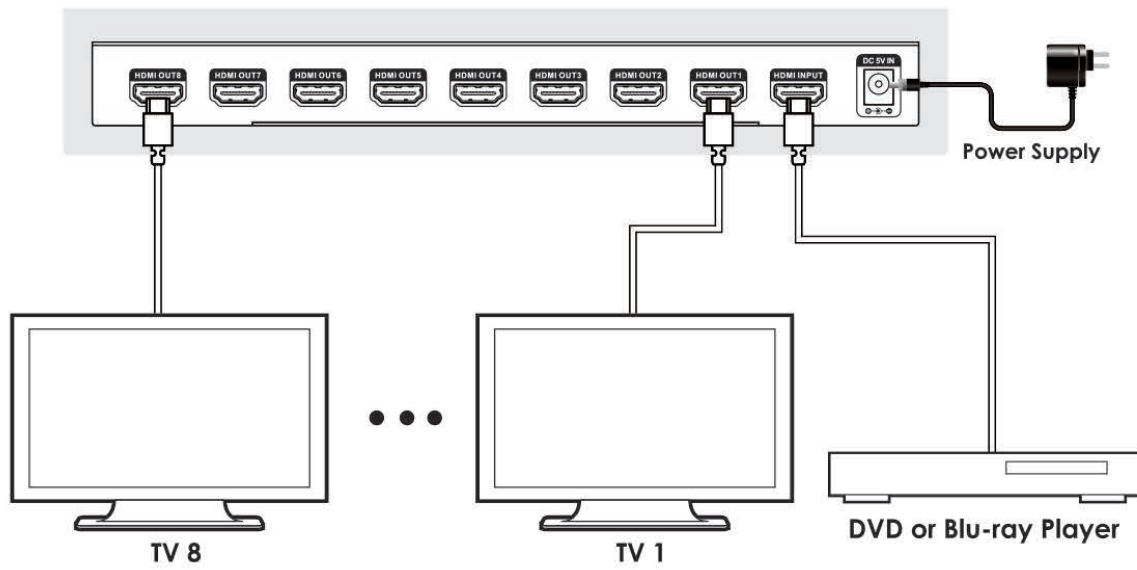
**5.2 Rear Panel**



- 1 HDMI OUTPUT:** These slots are where you connect the HDTV or monitor with HDMI cable.
- 2 HDMI INPUT:** This slot is where you connect the HDMI source output from DVD, PS3.
- 3 DC 5V:** Plug the 5V DC power supply into the unit and connect the adapter to AC wall outlet.



### 6. Connection Diagram





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[www.geratech.eu](http://www.geratech.eu)