

2/4/8/16口 HDMI 分配器使用手册

特别提示

在使用本产品之前, 请务必先仔细阅读本使用说明书。
请务必妥善保管好本书, 以便日后能随时查阅。
请在充分理解内容的基础上, 正确使用。
本公司保留对产品进行更改的权利, 由于技术更新产品参数变化恕不另行通知。

产品简介

2/4/8/16-Port HDMI Splitter系列分配器可将一路HDMI信号源可靠地分配至2个、4个、8个或16个显示设备。2/4/8/16-Port HDMI Splitter系列支持HDMI参数标准, 包括高达10.2Gbps (1080P6.75Gbps)的数据速率、12位的色深、3D、唇形同步和高清无损的音频格式。这些符合HDCP标准的分配器支持1.4版1080P和高达3840×2160/30Hz的PC分辨率。2/4/8/16-Port HDMI Splitter系列非常适用于需要将一路HDMI信号源分配至多台显示设备的应用环境。

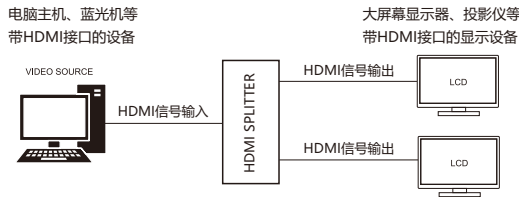
产品特点

- 1路HDMI信号输入分配成2/4/8/16路HDMI信号输出;
- 支持3D视频格式;
- 支持4K信号输入输出;
- 支持24/30/36位色深;
- 支持HDCP设备;
- 支持分辨率高达3840×2160/30Hz;
- 兼容音频格式LPCM7.1/DTS/DOLBY-AC3/DSD/DTH-HD/Dol-by-trueHD;
- 使用24AWG HDMI 标准线缆,输入传输距离可达8米, 输出传输距离可达10米。(使用较低的速率和/或高质量的电缆时, 信号可传输的距离更长);
- 通过堆叠的方法, 可以显著提高HDMI输出的数量;
- 无信号损失。

(以产品实物为准)

连接示意图

以2口分配器为例



操作说明:

1. 分配器主机正确连接电源。
2. 通过一条HDMI线缆,把HDMI信号源和分配器的输入口(HDMI IN)连接起来。
3. 通过HDMI线缆, 把分配器的输出(OUTPUT HDMI OUT1~n)与显示器连接起来即可正常工作。

装机清单

序号	部件	数量
1	HDMI分配器	1
2	电源适配器(选配)	1
3	保修卡	1
4	说明书	1

技术参数

注: HDMI信号输入/输出需使用标准的HDMI线缆或适配器

视频	
最高数据速率	4Kx2K: 10.2Gbps (每色3.4Gbps) 1080P: 6.75Gbps (每色2.5Gbps)
最高像素时钟	340MHz
分辨率范围	24/50/60Fs/1080P/1080i/720P/576i /480P/480i(4Kx2K/24/30Fs)
信号标准	HDMI
静电保护	8KV
视频输入输出	
数量/信号类型	1×2/1×4/1×8/1×16 HDMI
输入输出 线缆长度	使用24AWG HDMI标准线缆,输入传输距离可达8米, 输出传输距离可达10米
音频	
音频格式	LPCM7.1/DTS/DOLBY-AC3/DSD/ DTS-HD/Dolby-trueHD
输入输出 TMDS信号	0.5-1.5Vp-p(TTL)
输入输出 DDC信号	5Vp-p(TTL)
支持视频色深	24/30/36位色深
工作温度	0~40°C
工作湿度范围	5~85% RH (无冷凝)

安全使用须知:

为确保设备可靠使用及人员的安全, 请在安装、使用和维护时, 请遵守以下事项:

- 请勿在下列场所使用本产品: 有灰尘、油烟、导电性尘埃、腐蚀性气体、可燃性气体的场所; 暴露于高温、结露、风雨的场所; 有振动、冲击的场所。电击、火灾、误操作也会导致产品损坏和恶化;
- 避免带电状态进行接线、插拔电缆插头, 否则容易导致电击, 或导致电路损坏;
- 安装和接线必须牢固可靠, 接触不良可能导致误操作;
- 本产品通过电源线的接地导线接地, 为避免电击, 必须将接地导线与大地相连接, 在对本产品的输入端或输出端进行连接之前, 请务必将本产品正确接地;
- 必须将外部电源全部切断后, 才能进行安装、接线等操作, 否则可能引起触电或设备损坏;
- 在下列情况下, 请立即断开电源, 并与公司联系:
 1. 设备进水;
 2. 设备摔坏或机壳破裂;
 3. 设备工作异常或展示的性能已完全改变;
 4. 设备产生气味、烟雾或噪音。
- 请不要自己修理设备, 除手册中有明确指示外。

2/4/8/16-Port HDMI Splitter Manual

Special Notification

Before using this product, please read this manual carefully.
Please keep this manual for future reference.
The company may change the fuction of product without notice.

Appearance

2/4/8/16-Port HDMI Splitter series, which can distribute one way HDMI source signal to 2/4/8/16 displays, support HDMI standard maximum 10.2Gbps (1080P:6.75Gbps) data rate,12-bit color depth,3D, and high quality lossless audio. These splitters,which compliant with HDCP, support 1080P, and 3840×2160/30Hz resolution.2/4/8/16ports HDMI splitter series are best for appliance of distributing one way HDMI signal to multi displays .

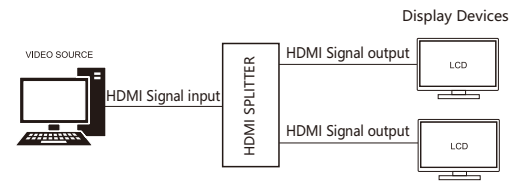
Feature

- 1 channel HDMI signal input distribution to a 2/4/8/16 HDMI signal output.
- Support 3D Video format.
- Support 4K Signal input input and output.
- Support 24/30/36 Bit Color.
- Support HDCP.
- Support resolution up to 3840×2160/30Hz.
- Compatible audio format LPCM7.1/DTS/DOLBY-AC3/DSD/DTH-HD/Dol-by-trueHD.
- Using the 24AWG HDMI standard cable,input transmission distance is 8 meters, the output transmission distance is 10 meters. (Use the lower rate and high quality cable, signal transmission distance is longer).
- By stacking method, can significantly increase the number of HDMI output port.
- No loss of signal.

(To prevail in kind)

Connection Diagram

(Take 2 port for example)



Operating instructions:

1. Connect the power supply to HDMI splitter in the right way
2. Connect tne cable from HDMI source device into HDMI splitter input.
3. Connect other cables from HDMI splitter to each display (monitor or projector).
- 4.Can work normally.

Packing List

NO.	Parts	Qty
1	HDMI Splitter	1
2	Power Adapter(optional)	1
3	Instructions	1

Technical Parameters

Note: the HDMI signal input/output need to use the standard HDMI cable and power adapter.

Video	
Highest Data Rate	4Kx2K: 10.2Gbps (3.4Gbps per color) 1080P: 6.75Gbps (2.5Gbps per color)
Data Rate	340MHz
Resolutions	24/50/60Fs/1080P/1080i/720P/576i /480P/480i(4Kx2K/24/30Fs)
Signal Standard	HDMI
ESD	8KV
Video input/output	
Number/type of signal	1×2/1×4/1×8/1×16 HDMI
Input/output cable length	≤10 meter (standard 24AWG HDMI cable)
Audio	
Audio formats	LPCM7.1/DTS/DOLBY-AC3/DSD/ DTS-HD/Dolby-trueHD
Input and output TMDS signal	0.5-1.5Vp-p(TTL)
Input and output DDC signal	5Vp-p(TTL)
Support video color depth	24/30/36 bit color depth
Working temperature	0~40°C
Operating humidiy	5 to 85% RH (no-condensaing)

The matters needing attention of installation

In order to ensure the reliable performance of the equipment and the safety of the user, please observe the following matters during the process of installation, use and maintenance.

- Please do not use this product in the following places: the place of dust, soot and electric conductivity dust, corrosive gas, combustible gas; the place exposed to high temperature, condensation, wind and rain; the occasion of vibration and impact. Electric shock, fire, wrong operation can lead to damage and deterioration to the product, either;
- Should avoid wiring and inserting cable plug in charged state, otherwise it is easy to cause the shock, or electrical damage;
- The installation and wiring should be strong and reliable, contact undesirable may lead to false action;
- This product grounds by the grounding wires. To avoid electric shocks, grounding wires and the earth must be linked together. Before the connection of input or output terminal, please make sure this product is correctly grounded;
- Only after cutting down all external power source, can install, wiring operation begin, or it may cause electric shock or equipment damage;
- Please do not dismantle the equipment, avoid damaging the internal electrical component.