4K HDMI 矩阵 4X2用户手册

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。
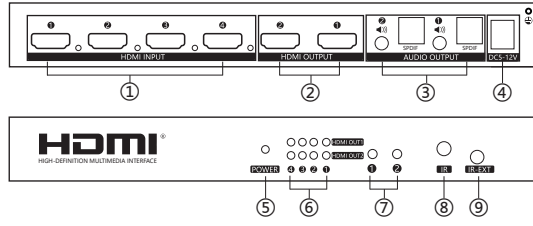本公司保留对产品进行更改的权利，由于技术更新产品参数变化恕不另行通知。

产品简介

这款 4X2 HDMI矩阵可以把四个高清信号源与两个高清信号端同时连接起来，同时可以支持光纤和立体声耳机输出。它可以很容易地将四路高清信号在两个兼容高清信号的显示器或者投机上自由切换或者分配，而且任意一个输出端口都可以通过光纤或者立体声耳机实现音频的独立输出。

4x2 HDMI 矩阵对输入的信号做重整和放大，通过HDMI线缆做无损传输。本HDMI矩阵提供的解决方案应用于数字高清晰度电视节目的娱乐中心、零售和网站、高清晰度电视、机顶盒、DVD、投影机厂、数据中心控制、信息分布、会议室、学校和企业培训等环境。

产品功能

■ 支持HDMI2.0版本
■ 支持 3D视频格式；
■ 支持最高分辨率达 3840*2160@60Hz；
■ 支持最高速率18Gbps,频率为600Mhz；
■ 支持 8/10/12 位色深；
■ 支持2路HDMI的音频提取，3.5mm耳机接口和光纤接口同时输出；
■ 四路HDMI信号输入切换或分配到两个HDMI显示器
■ 支持LPCM/Dolby/DTS 5.1声道提取；

（以产品实物为准）

接口说明

1：HDMI INPUT --- HDMI输入接口1-4；
2：HDMI OUTPUT --- HDMI输出接口1-2；
3：AUDIO OUTPUT --- 光纤与R/L立体声输出接口;
4：DC5-12V --- 5V-12V电源输入接口;
5：POWER --- 电源指示灯;
6：HDMI IN1→4 --- 输入指示灯；
7：1-2 HDMI接口视频输入接口切换按键;
8：IR --- 红外接收;
9：IR --- 红外接收延长线接口;

产品规格参数

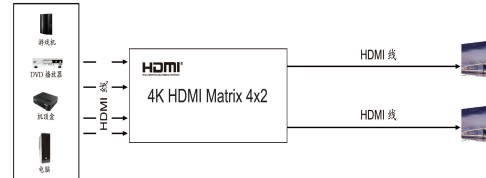HDMI 版本 ....HDMI 2.0b/HDCP2.2
HDMI分辨率 最高支持3840*2160/60Hz
支持视频格式 8/10/12位深色
支持音频格式 LPCM/DTS/Dolby-AC3
最大带宽传输 600MHz
最大传输速率 18Gbps

输入线缆长度 ....≤8m HDMI 2.0 标准线缆
输出线缆长度 ....≤5m HDMI 2.0 标准线缆
HDMI输入端口 4个
HDMI输出端口 2个
最大工作电流 600mA
电源适配器规格: ....输入：AC (50HZ, 60HZ) 100V-240V; 输出: DC5V/1A
工作温度范围 .... (-15 to +45℃)
工作湿度范围 ....5 to 90%RH (无冷凝)
尺寸（长*宽*高） ....210x70x25（mm)
重量...350g

指示灯和按键操作说明

1.指示灯说明：IN1-IN4指示灯分别说明当前输出端（HDMI OUT 1或者HDMI OUT 2）所对应的输入端口。
2.按键操作：SWITCH(1或2)按键用来切换当前输出OUT(1或2)所对应的输入信号源。

4个HDMI信号源输入，通过HDMI线缆连接到HDMI 4X2矩阵;HDMI 4X2矩阵通过HDMI线缆链接到2个电视
1.通过HDMI线，把每个HDMI信号源与矩阵输入端连接起来。
2.通过HDMI线，把矩阵输出端与HDMI显示设备连接起来。
3.通过立体声耳机或者光纤把音频输出口与立体声功放连接起来。
4.通过遥控器或面板按键进行信号自由切换。
5.将产品与5V电源适配器连接起来。

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、风雨的场合；有振动、冲击的场合。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，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。

4K HDMI Matrix 4X2 user 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.
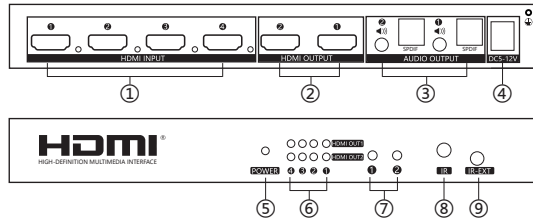
Product Introduction

4K HDMI matrix 4X2 can connect four hd signal sources to two hd signal terminals at the same time, supporting both fiber optic and stereo headphone output.It makes it easy to switch or allocate four channels of hd signals between two hds-compatible displays or devices, and either output port can be used for separate audio output via fiber optics or stereo headsets.
4K HDMI matrix 4x2 restructures and amplifies the input signal and transmits it losslessly through the HDMI cable.This HDMI matrix provides solutions for entertainment centers, retail and web sites, HDTV, set-top boxes, DVDS, projector plants, data center control, information distribution, conference rooms, school and corporate training environments for digital HDTV programs.

Product Function

■ support hdmi 2.0 version;
■ support 3D video format;
■ support the highest resolution up to 3840* 2160@60hz;
■ support the highest speed 18 Gbps, with a frequency of 600Mhz;
■ support 8/10/12 bit color depth;
■ support 2-channel HDMI audio extraction, 3.5mm headphone jack and optical fiber interface output at the same time;
■ four-way HDMI signal input switch or assignment to two HDMI displays;
■ support LPCM/Dolby/DTS 5.1 channel extraction;

(To prevail in kind)

Interface specification

1：HDMI INPUT --- HDMI input port1-4；
2：HDMI OUTPUT --- HDMI output port1-2；
3：AUDIO OUTPUT --- Optical with R/L audio output port;
4：DC5-12V --- Power input port；
5：POWER --- Power light;
6：HDMI IN1→4 --- HDMI signal Input LED；
7：HDMI input switch button;
8：IR --- infrared receiver;
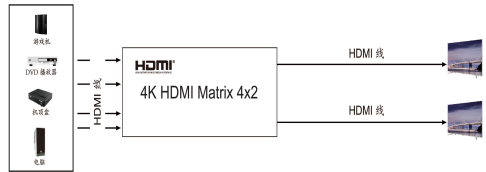9：IR --- Interface of infrared receiving extension cord;

产品规格参数

HDMI Version.. HDMI 2.0b/HDCP2.2
HDMI resolution ....Max support3840*2160/60Hz
Supports Video Formats ....8/10/12 bit deep color
Supports Audio Formats LPCM/DTS/Dolby-AC3
Max bandwidth 600MHz
Max baud rate 18Gbps
Input cable length ....≤8m HDMI 2.0 standard cable
output cable length...................................≤5m HDMI 2.0 standard cable
HDMI intput port 4PCS
HDMI output port 2PCS
Max working current..600mA
Power adapter format: ....Input:AC (50HZ, 60HZ) :100V-240V; Output: DC5V/1A
Operating Temperature range .... (-15 to +45℃)
Operating Humidity range ....5 to 90%RH (No Condensation)
Dimensions (L*W*H) ....210x70x25 (mm)
Item Weight...350g

Indicator light and key operation instructions

1. Indicator light description: in1-in4 indicator light respectively indicates the corresponding input port of the current output terminal (HDMI OUT 1 or HDMI OUT 2).
2. Key operation: SWITCH(1 or 2) is used to SWITCH the input signal source corresponding to the current output OUT(1 or 2)。

4 HDMI signal sources are input and connected to the HDMI 4X2 matrix via the HDMI cable.The HDMI 4X2 matrix is connected to two TVS via an HDMI cable
1. Connect each HDMI signal source to the matrix input via the HDMI cable.
2. Connect the matrix output to the HDMI display device via the HDMI cable.
3. Connect the audio outlet to the stereo amplifier through stereo headphones or optical fiber.
4. Switch signals freely by remote control or panel keys.
5. Connect the product to the 5V power adapter.

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 andreliable,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.