

# 100米HDMI单网线延长器用户手册

## 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。

## 概述

HDMI延长器支持分辨率高达1080P, 基于单根CAT5/6网线传输介质, 最大传输距离可以达到100M。本产品采用高品质的电路设计, 以确保高质量的信号传输。

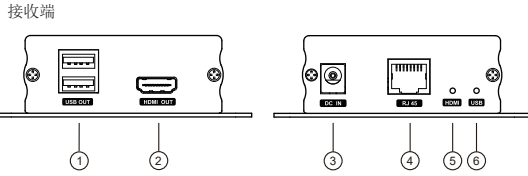
本产品可广泛应用于视频会议系统、广播电视系统、闭路电视系统、电视监控系统的视频相匹配处理设备上。

## 产品特点:

- 一条CAT6线可以替代HDMI和USB线从而达到长距离的传输
- 使用CAT6线可以使HDMI传输距离达到100米, 1080P
- 自动调节反馈信息, 平衡或者放大, 用户无需担心线的长度。
- 支持1.65Gbps/帧频(总帧频4.95Gbps)带宽
- 内置EDID
- 使用AWG24 HDMI标准线缆, 输入传输距离可达15米, 输出传输距离可达15米。
- 使用CAT6线可以使USB 2.0传输距离达到60米
- 使用CAT6线可以使键盘, 鼠标等低速设备传输距离达到100米
- 兼容USB2.0,USB 1.1
- 支持所有主要的操作系统: Windows, Mac OS X, Linux
- 支持任何全速 (480Mbps) 或低速 (1.5 Mbps) 的USB设备
- 无需安装任何驱动程序即可使用

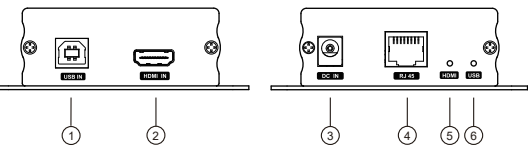
- 支持热插拔功能, 即插即用
- 支持POC供电, 无信号损失

## 面板介绍



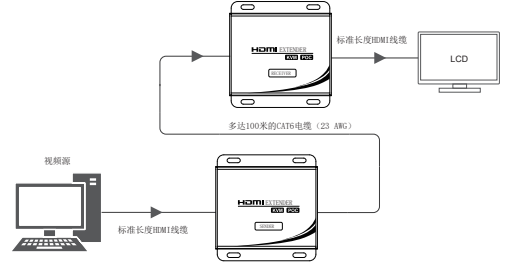
- ① USB OUT-----USB输出
- ② HDMI OUT-----HDMI信号输出
- ③ DC IN-----电源输入接口
- ④ RJ 45-----网线接口
- ⑤ LED灯-----电源指示灯
- ⑥ LED灯-----工作指示灯

## 发射端



- ① USB IN-----USB输入
- ② HDMI IN-----HDMI信号输入
- ③ DC IN-----电源输入接口
- ④ RJ 45-----网线接口
- ⑤ LED灯-----电源指示灯
- ⑥ LED灯-----工作指示灯

## 系统连接图



## 产品规格:

输入/输出HDMI分辨率	-----480i, 480p,720p, 1080i, and 1080p
最大传输带宽	-----160MHz
最大传输速率	-----4.95Gbps
输入输出TMDS信号	-----0.5-1.5Vp-p(TTL)
输入输出DDC信号	-----5Vp-p(TTL)
输入线缆长度	-----≤15m AWG26 HDMI standard cable
输出线缆长度	-----≤15m AWG26 HDMI standard cable
兼容USB版本	-----USB 1.1 and USB 2.0
最大工作电流	-----600MA
电源适配器规格	-----交流输入 (50 /60HZ) :100V-240V,直流输出:12V/1A
工作温度	-----(-15 to +55°C)
工作湿度范围	-----5 to 90%RH (无冷凝)
发射端尺寸	-----97mmX90mmX30mm
发射端重量	-----270g
接收端尺寸	-----97mmX90mmX30mm
接收端重量	-----270g

# 100M HDMI EXTENDER User's 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

## Summary

HDMI extension support resolution up to 1080P, a single CAT5/6 cable based on the transmission medium, the maximum transmission distance Can reach 100M. This product is designed to ensure high quality of signal transmission.

It is the idea videoprocessing equipment matching the video conferencing system, broadcast TV system, CCTV system, and TV monitoring system.

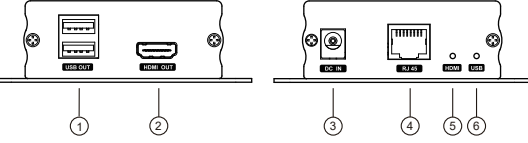
## FEATURES:

- Using one single CAT6 cable instead of HDMI/USB cable to extend long distance
- By CAT6 max 100m/1080P transmission distance
- Auto-adjust signal feedback, balance or amplify, no need to worry about cable length
- Support 1.65Gbps frame rate (total 4.95Gbps) bandwidth
- Built-in EDID
- Upon AWG24 HDMI cable, max input cable length 15m, max output cable length 15m
- USB 2.0 max 60m by CAT6 cable
- Low speed devices like keyboard mouse max 100m by CAT6 cable
- Compliant with USB2.0, USB 1.1
- Support OS: Windows, Mac OS X, Linux

- Support full speed (480Mbps) and low speed (1.5Mbps) USB devices
- No need to install any software
- Hot plug support, Plug & Play
- Support full speed (480Mbps) and low speed (1.5Mbps) USB devices

## Introduction of the front and rear panels

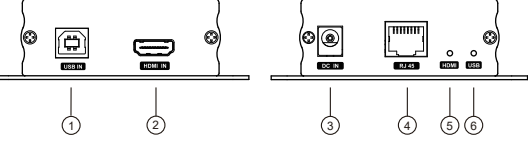
### RECEIVER



- ① HDMI OUT-----HDMI signal output
- ② DC IN-----Power indicator light
- ③ RJ 45-----Network interface
- ④ LED light-----HDMI signal indicator

- ⑤ LED light-----HDMI signal indicator
- ⑥ LED light-----USB signal indicator

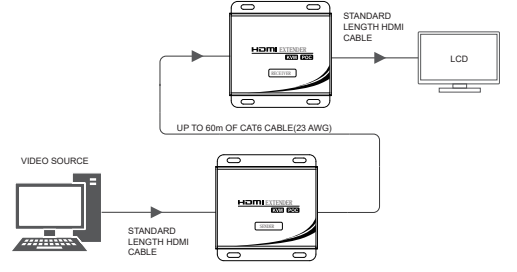
### SENDER



- ① USB IN-----USB Signal Input
- ② HDMI IN-----HDMI Signal Input
- ③ DC IN-----Power indicator light
- ④ RJ 45-----Network interface

- ⑤ LED light-----HDMI signal indicator
- ⑥ LED light-----USB signal indicator

## System connection diagram



## PECIFICATIONS:

Input and output resolution	-----480i, 480p,720p, 1080i, and 1080p
Max bandwidth	-----160MHz
Maximum data rate	-----4.95 Gbps
Input/Output TMDS signal	-----0.5-1.5Vp-p(TTL)
Input/Output DDC signal	-----5Vp-p(TTL)
Input cable distance	-----≤15m AWG26 HDMI standard cable
Output cable distance	-----≤15m AWG26 HDMI standard cable
Max working current	-----600MA
Power adapter format.Input	-----AC (50 /60HZ) :100V-240V,output:DC12V/1A
Operating Temperature range	-----(-15 to +55°C)
Operating Humidity range	-----5 to 90%RH (No Condensation)
Sender Dimension (L x W x H)	-----97mmX90mmX30mm
Receiver Weight	-----270g
Sender Dimension (L x W x H)	-----97mmX90mmX30mm
Receiver Weight	-----270g

## 包装清单

序号	部件	数量
1	产品主机	1
2	电源适配	2
3	用户手册	1

## 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:  
安装时的注意事项

■ 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. 设备工作异常或显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。

## Packing list

NO	Part	QTY
1	Product host	1
2	power adapter	2
3	User's Manual	1

## 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;