FLASHVIEW™
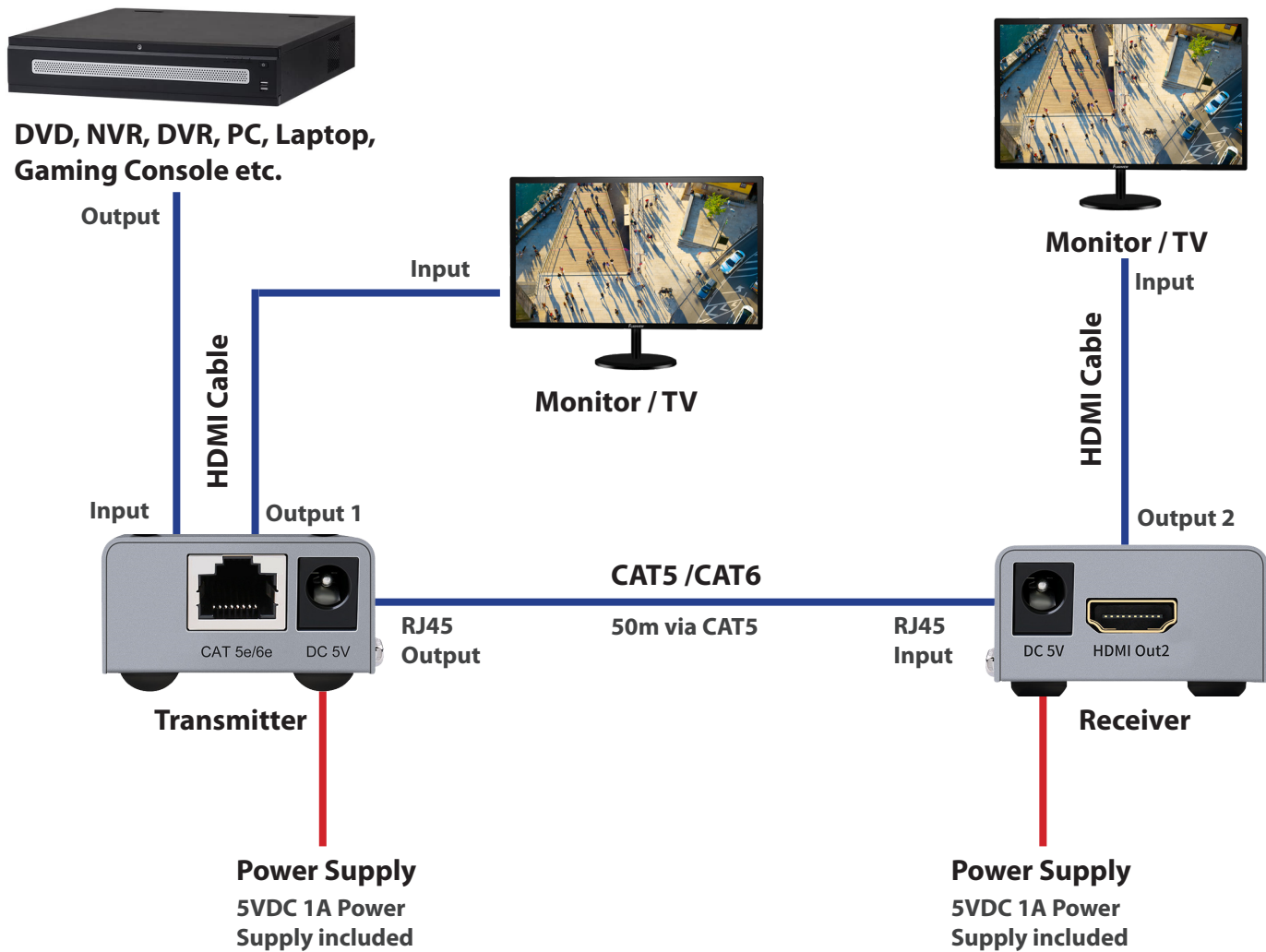
HDMI Extender Over CAT6 (50m)

Quick Start Guide

1. Introduction

This HDMI single cable extender breaks the limitations of HDMI cable transmission distances. The HDMI signals can be transmitted up to 50m via single LAN cable. It also features a one way HDMI local output, making it more convenient to use. This HDMI extender is perfect for displays in lecture halls, home theaters, retail environments, clubs, business foyers, data control centers and more.

2. Detailed Parameters

This HDMI extender adopts a high-tech HDMI signal extension chip. This HDMI extender offers stable signal, with no loss when within the effective distance, and can transmit up to 50m. It adopts the uncompressed signal transmission program and supports HDMI resolution of 1080P @60Hz.

2.1 Connection Diagram

DVD, NVR, DVR, PC, Laptop, Gaming Console etc.

Output

Monitor / TV

Input

Monitor / TV

Input

HDMI Cable

HDMI Cable

Input

Output 1

Output 2

CAT5 /CAT6

RJ45
Output

50m via CAT5

RJ45
Input

CAT 5e/6e   DC 5V

DC 5V   HDMI Out2

Transmitter

Receiver

Power Supply
5VDC 1A Power
Supply included

Power Supply
5VDC 1A Power
Supply included

2.3 Function Parameters

- Supports 3D and has a maximum resolution of 1080P
- HDMI format: 480i/480p/576i/576p/720i/720p/1080i/1080p
- HDMI signal band width:225MHz/2.5Gbps
- Support 24bit/ 30bit/36bit /48bit dark color
- Support BLU-ray DVD24 / 50 / 60fs / HD-DVD / XVYCC
- Audio format: DTS-HD, Dolby-trueHD, LPCM7.1, DTS, DOLBY-AC3, DSD,   HD(HBR)
- The HDMI signals can be transmitted to 40m via cat5 cable; 50m via cat5e cable; 60m via cat6 cable
- The receiver is equipped with an EQ adjustment button, it can make the signals to the best status by EQ adjusting according to the length of the LAN cable.
- Light indicators, for power (red when power supply is connected) and signal (green when LAN cable is connected
- Electrostatic discharge voltage protection, ±8KV
- 5VDC rated input voltage & external power source 1000mA rated input current
- Transmitter working temperature 40℃ ~ 80℃ (room temp. 20℃)
- Receiver working temperature 40℃ ~ 60℃ (room temp. 20℃)
- Transmitter dimensions: 82 x 45 x 22mm, receiver dimensions: 82 x 45 x 22mm

2.4 Troubleshooting

Receiver - no signal output

Please check whether the indicator light of the receiver is on; if not, please check whether there is a signal input in the transmitter or whether the receiver is connected with the display device. Or you can connect the local output of the transmitter to see if there is signal output. As the receiver's signal and local output's signal is synchronous output.
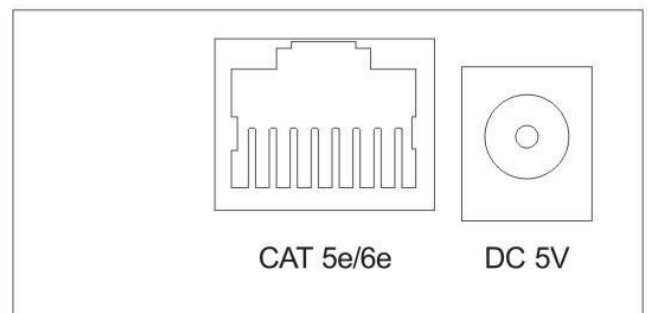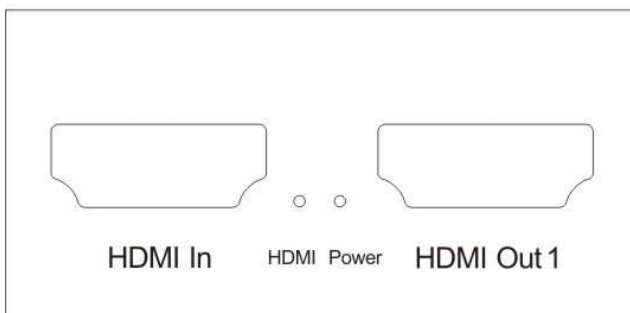
Flashing or noisy picture

Flashing or noisy picture is a sign of weak signal. Press the EQ button of the receiver, this will automatically adjust the signal sensitivity to make the signal better. If there is no signal improvement after adjustment, please set the refresh rate of input resolution from 60HZ to 24HZ. If the signal is not normal this indicates that the LAN cable has quality problem.
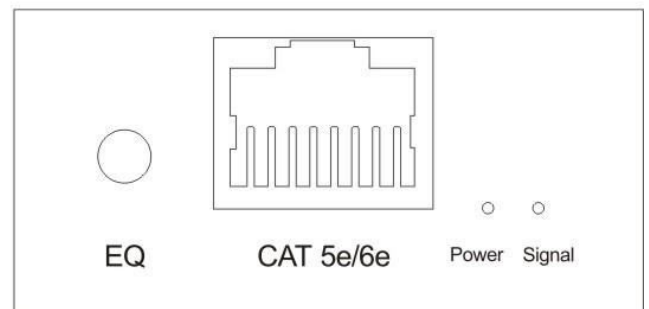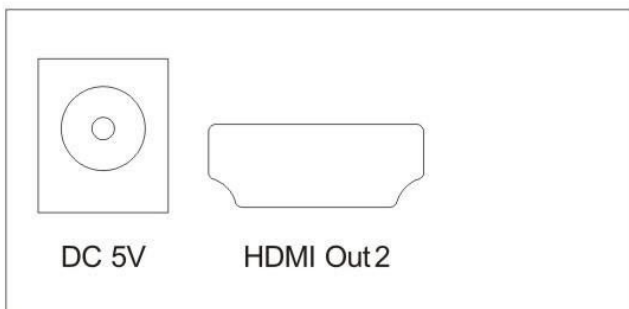
The HDMI signal receiving sensitivity of some display devices is not that good, the length of the LAN cable can be reduced to improve signal stability.

3. Product Diagram

Transmitter product diagram

HDMI In   HDMI Power   HDMI Out 1

CAT 5e/6e   DC 5V

Receiver product diagram

DC 5V   HDMI Out 2

EQ   CAT 5e/6e   Power Signal

FLASHVIEW™