



HDMI VIDEO EXTENDER



Manual
DS-55100

HDMI Extender by Single CAT-5e/6 cable 50m 1080p Support 3D

1.0 Introduction

The DS-55100 extends the HDTV display up to 50 meters in Full HD by using a simple network cable between a transmitter and receiver unit. It supports a HDMI signal transmission without loss.

2.0 Features

- Cat 5 HDMI extender consisting of transmitter and receiver unit
- Follow the standard of IEEE-568B
- Extension up to 50 meters
- Auto-adjustment of feedback, equalization and amplify. The user does not need to care about the length of the cable
- Video resolution up to 1080p
- Support 165MHz/1.65Gbps per channel (4.95Gbps all channel) bandwidth
- HDCP pass through
- Support 8bit per channel (24bit all channel) color depth
- Support uncompressed 2 channel audio such as LPCM
- Support 3D video

3.0 Specifications

Signal input	HDMI Signal
Input Video Signal	0.5-1.0volts/p-p
Output video	HDMI Signal
DTV/HDTV	480i/576i/480P/576P/720P/1080i/1080P
CAT-6 cable	50m for 1080p
Video. Amplifier Bandwidth	2.25Gbps/225MHz
Vertical Frequency Range	50/60Hz
Interlaced Resolutions(50&60Hz)	480i,576i,1080i
Progressive Resolutions(50&60Hz)	430p,576p,720p,1080p
Operating Temperature	0°C to 70°C
Operating Humidity	10% to 85% RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90% RH (no condensation)
Power Supply	5V DC
Power consumption(MAX)	5W
Certification	CE, FCC
AC Power Adapter	EU standard

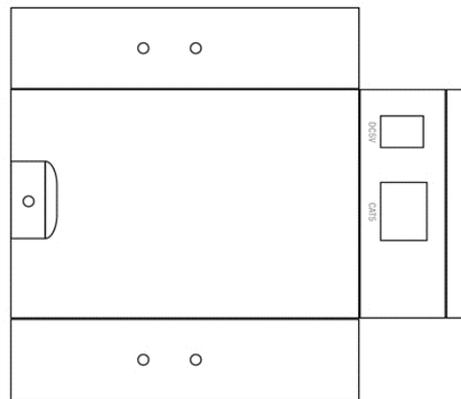
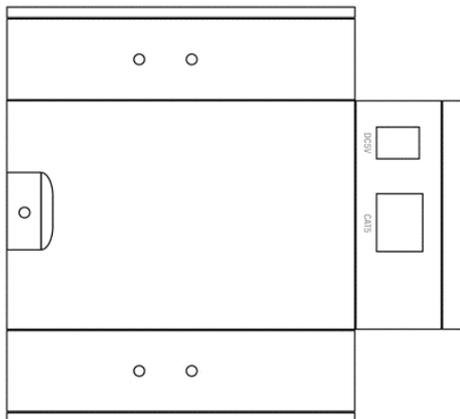
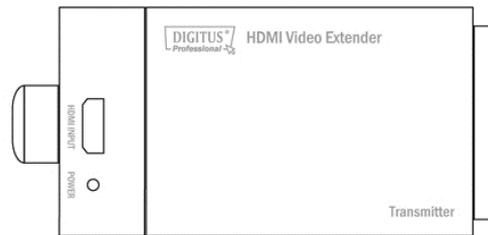
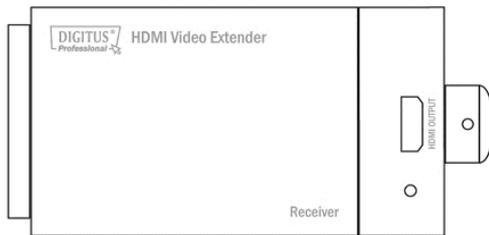
Note:

- 1. In order to achieve the high transmission quality, please choose the shielded CAT-5e or CAT-6 cable.**
- 2. The low quality cables will not achieve the perfect transmission and full distance.**
- 3. Theoretically, when the function of the product is okay with short distance transmission, the problem of long distance transmit could be cause by the quality problems in the transmission cable.**

4.0 Package Contents

- HDMI Extender, transmitter and receiver unit
- 2 x Power Supply 5V, 2A
- 2 sets of mounting brackets with screws
- Manual

5.0 Panel Descriptions



6.0 Connection and Operation

- 1) Plug the fixed HDMI cable of the sender into the HDMI input source.
- 2) Connect two CAT-5e/6 cables to both the output of the transmitter and input of the receiver
- 3) Plug the fixed HDMI cable of the receiver into the HDMI display (such as: HD-LCD. HD-DLP)

Attention: Insert/Extract cable gently

6.1 Connection Diagram

