

CH-108 CAT6 to CAT6 Repeater

Operation Manual



CH-108

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1. Introduction

This is the most advanced solution for CAT6 to CAT6 signal repeater. There are two CAT6 connectors for Video and DDC ports of transmitter and receiver which isolates the DDC capacitances of the two sides of the buffer. This is compatible to HDMI v1.3 specifications, a cutting-edge technology which defines the support to transfer Deep Color (12 bits/color) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio. The installation of CAT6 to CAT6, simply places the transmitter unit next to the repeater and connected to receiver unit or CAT6 to CAT6 repeater and gets all necessary cables connected to complete and quick

2. Main Features

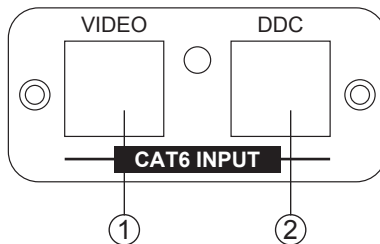
- Compliant with HDMI 1.3, HDCP 1.1 and DVI1.1 standards.
- Serial data rate at up to 2.25Gbps, capable of supporting the following digital video formats in Deep Color Mode at up to 36 bits (12bits/color):
- DTV resolutions: 480i, 576i, 480p, 576p, 720p, 1080i to 1080p.
- Supports CAT-6 cables for data/DDC transmission.
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality.
- Supports high definition resolution, the input up to 1080p/12bits and output resolution follows input. The distance table please refers to section 5.
- Full HDCP Compliant.
- Easy to install and simple to operate.

3. Package Contents

- CAT6 to CAT6 Repeater.
- 5V DC power supply adaptor.
- Operation Manual.

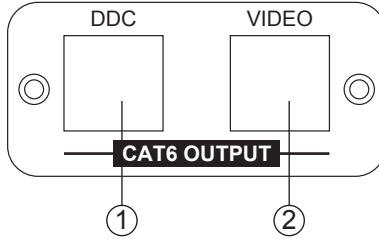
4. Operation Controls and Functions

4.1. Front Panel



- ① DDC input: Connect the DDC input to the DDC output of the transmitter using CAT-6 cable.
- ② Video input: Connect the video input to the video output of the transmitter unit using CAT-6 cable.

4.2. Rear Panel



- ① Video output: Connect the video output to the video input of the receiver unit using CAT-6 cable.
- ② DDC output: Connect the DDC output to the DDC input of the receiver unit using CAT-6 cable.

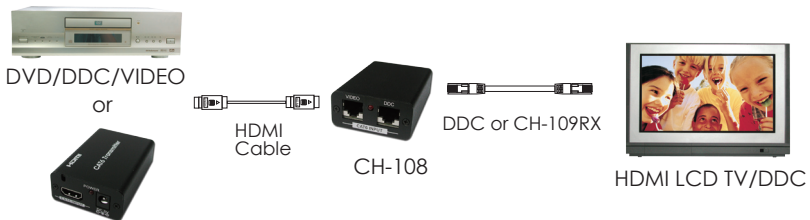
5. Distance Table

The distance list is from Transmission Rear side to Receiver Rear side.
Unit: Meter (m)

1080i/720p 8bits	1080i/720p 10bits	1080i/720p 12bits	1080p/8bits	1080p/10bits	1080p/12bits
25m	25m	25m	20m	15m	10m

The distance list is from Transmission Rear side to Receiver Rear side.
Unit: Meter

6. Connection and Installation



7. Specifications

Input ports	1 x HDMI, 1 x DDC
Output ports	1 x HDMI, 1 x DDC
Dimensions (mm)	50(W) x 72(D) x 23(H)
Weight(g)	106
Chassis Material	Aluminum
Silk Skin Color	Black
Operating Temperature	Operating from 0°C ~ 48°C



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