

CH-103Rx *CAT6 to HDMI* *Receiver*

Operation Manual



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1. Introduction

This is the Receiver (Rx) unit of CAT6 to HDMI Solution that can receive the digital signal through CAT-6 cables. This is compatible with HDMI v1.3 specifications, a cutting-edge technology which defines the supports to transfer Deep Color (12 bits/color) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio, with a bandwidth up to 225MHz. The installation of CAT6 to HDMI is easy and quick, simply place receiver side next to your CAT6 transmitter unit, then place the CAT6 to HDMI receiver side to your display and get all necessary cables connected and enjoy.

2. Features

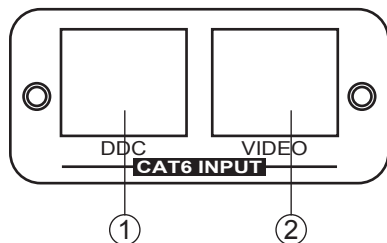
- HDMI 1.3, HDCP 1.1 and DVII.1 Compliant.
- Supports digital video formats in Deep Color Mode at up to 36 bits (12bits/color) and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) Digital audio.
- Supports CAT-6 cables of variable types.
- Supports equalize and recover incoming TMDS data before re-transmitting them with optimal quality regardless of the incoming signal quality.
- Supports high definition resolution, the cable distance test with 1080p/8bits resolution the Input/Output source can run up to 45/15 meters. If 1080p/12bits resolution the Input/Output source can run up to 15/15 meters.
- Supports CEC bypass.
- Supports xvYCC.

3. Package Contents

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

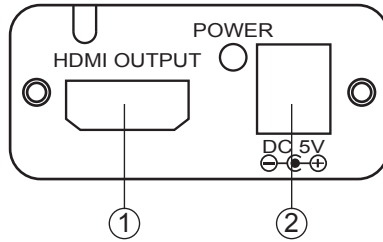
4. Operation Controls and Functions

4.1. Front Panel



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

4.2. Rear Panel



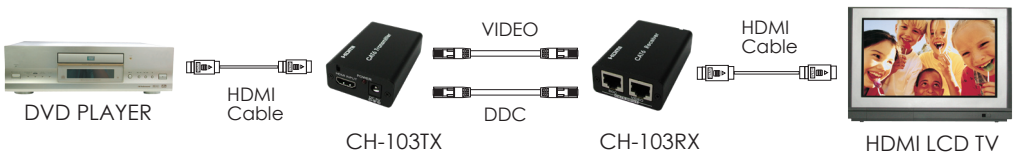
- ① HDMI output: Connect the HDMI output port to the HDMI or DVI input of your display.
- ② Power: Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

Note: A. Cable tested with CAT-6E / 23AWG / Solid and therefore, cable with different specification may result in different distance.

B. Cable distance tested with equipment PS3 20G, 37" Philips 8 bit LCD TV and 37" SamSung 12 bit LCD TV.

C. Figures provided in this manual are reference figures only, actual figures may depend on source and display use with cable specification.

5. Connection and Installation



6. Specifications

| | |
|-----------------------|---|
| Input Ports | 1 x CAT-6 input for Video, 1 x CAT6 input for DDC |
| Output Port | 1 x HDMI |
| Power Supply | 5V/2.6A DC (US/EU standards, CE/FCC/UL certified) |
| Dimensions (mm) | 50(W) x 62(D) x 23(H) |
| Weight(g) | 96 |
| Chassis Material | Aluminum |
| Silkscreen Color | Black |
| Operating Temperature | 0°C ~ 40°C |