CAT-HDMI-70CT/CR-P

Transmitter & Receiver

Operation Manual

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Contents

Safety Reminder

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To protect the equipment and operating personnel from electrostatic discharge, you should check and ensure it is properly grounded before powering on. Please observe the following before you install, operate or perform maintenance.

Ensure equipment is properly grounded

➢ Please use single-phase three wire system AC 220V power supply, and ensure all transmission system is properly grounded.

➢ For the safety of operating personnel and the equipment, please turn off all power supplies and remove the plug before moving or performing physical task. Turn off main power switch on rainy days or when not in use for a long period of time.

➢ Please do not obstruct cable being plugged on the equipment, it should be properly tied and managed.

➢ To avoid damaging the equipment, please turn off power supply before plugging or removing power cable from equipment.

➢ When equipment in operation, it will dissipate heat. Please keep the working environment at normal temperature by providing good ventilation, so as not to damage equipment or cause malfunction.

➢ Do not store the equipment under extreme cold or hot environment. Chemical or liquid in the vicinity of the equipment should not be exposed.

➢ Non professionals without authorized, do not attempt to open the box, or repair.

1. Product Introduction

KENSENCE's new CAT-HDMI-70CT-P & CAT-HDMI-70CR-P is an economic and practical transmission equipment, remotely transmit full high resolution of HDMI signal via category cable at 70m.

With this enhanced model ends with the "P", meaning that only required a single power supply from either the transmitter or at the receiver end.

CAT-HDMI-70CT-P & CAT-HDMI-70CR-P comprises of two parts, a transmitter and a receiver, CAT-HDMI-70CT-P transmitter, converts the HDMI signal into a single cable transmission. CAT-HDMI-70CR-P, the receiver, manages and converts the high-definition network signal back to HDMI signal.

2. Main Functions

✧ signal transmission through the network;
✧ Support RS232, IR signal Bi-directional communication;
✧ Supports POC ;
✧ Supports HDMI1.3a，HDCP1.2，DVI1.0 protocol ;
✧ Support signal transmission distance of 70 meters, to support on-site transmission effect adjustment;
✧ support a variety of color space, support for video conversion and frequency doubling function;
✧ Supports common resolutions in various input signal formats, supports common signal formats for VESA and HDTV;

3. Specification

Model	CAT-HDMI/DVI-70CT-P	CAT-HDMI/DVI-70CR-P	
input	HDMI/DVI signal input	70M cat signal input	
output	70M cat signal output	HDMI/DVI signal output	
Color space	Support RGB444，YUV color space		
resolution	800x600, 1024x768, 1280x720, 1280x800, 1280x1024, 1360x768, 1366x768, 1440x900, 1440x1050, 1600x1200, 1680x1050, 1680×1050, 1920x1080, 1920x1200		
Transmit distance	70M		
Input voltage	DC 12-24V		
Dimension	102x79x25mm	Operating temperature	-10℃- 50℃
Weight	About 0.5KG	Storage temperature	-25℃- 55℃
Power consumption	≤10W	≤10W	

4. Equipment operation and function description

Note: Please use the following installation sequence, if not properly followed by the installation sequence, the device may not work or not working properly.

![KENSENCE 凯新创达 logo]

4.1 Operating sequence instructions:

1.Connect the signal source transmitter transmitter;

2.Use cable to connect transmitter and receiver.

3.Connect the display device at the transmitter output;

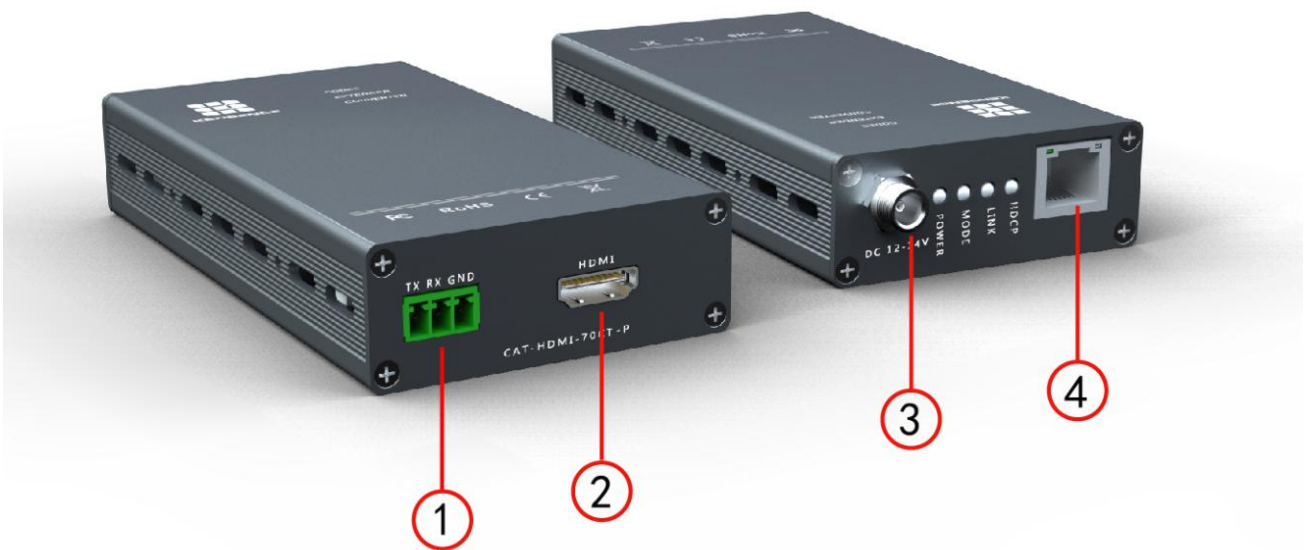4.Power the device (DC12-24V);

4.2 Device panel description

Figure 4.2.1 CAT-HDMI-70CT-P transmitter front and rear panel

1,RS232 and IR signal port

2,HDMI signal input port

3, power connector

4, RJ45 port (network signal output)

Figure 4.2.2 CAT-HDMI-70CR-P Receiver Front and Rear Panels

1,RS232 and IR signal port

2,HDMI signal output port

3, power connector

4, RJ45 port (network signal output)

Figure 4.2.3 CAT-DVI-70CT-P transmitter front and rear panel

1, Power connector

2,RJ45 port (network signal output)

3, RS232 and R port

4,DVI signal input port

Figure 4.2.4 CAT-DVI-70CR-P Receiver Front and Rear Panels

1, Power interface

2,RJ45 port (network signal output)

1、RS232 and IR signal output

2、DVI signal output

4.3 Indicator light description

POWER: power indicator light, turn on the power after the light

MODE: device operating status indicator, blinking indicates that the device is operating normally

LINK: HDbaseT signal connection indicator, the device with a cable connected to a constant light

HDCP:HDCP: signal output indicator, blinking signal output is normal

5 Troubleshooting

Frequent Asked Questions

a.   Network port indicator does not light up

Solution:

- Please check power adaptor or signal cable for loose connection. Turn off the equipment and wait for 5 seconds before restarting. This is because the product contains a high speed DDR, that will take about 5 seconds to completely reboot.

b. **Network port indicator keep flashing**

Solution:

- Please check if the signal and display cable is connected properly. We recommend the use of CAT6, 568B standard cable and distance not exceeding more than 180m.

c. **Display appear "snowflakes" or "mosaic"**

Solution:

-Please verify the signal source if it's HDCP compliant as most Bluray DVD will verify this part. Check if the display supports HDCP. Change the source resolutions to match the equipment supported resolutions.

6. Package List

Please check package before using this product. Do contact us if the product is found faulty or not intact.

SN	Name	Quantity	Unit
1	extender	1	set
2	Power adapter DC 12-24V	1	pcs
3	Certificate	1	pcs
4	Warranty card	1	pcs
5	Instruction Manual	1	pcs

7.Version And Manufacture Information

Description of version （Document number：DOC-0001#）		
Date	**Version number**	**Description**
2016-10	V1.01.01	First version

Contact us

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