

# Operating Instructions

Thanks for purchasing our product. Please be sure to read this instruction manual carefully before using our product.



Model: HKET0250NC20

## Notice

We reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

### Warning

To reduce the risk of fire, electric shock or product damage:

1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.
3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.
4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
5. Do not place sources of naked flames, such as lighted candles, on the unit.
6. Clean this apparatus only with dry cloth.
7. Unplug this apparatus during lightning storms or when unused for long periods of time.
8. Protect the power cord from being walked on or pinched particularly at plugs.
9. Only use attachments / accessories specified by the manufacturer.
10. Refer all servicing to qualified service personnel.

## Contents

- Product Overview ..... 1
- Feature ..... 1
- Package Contents ..... 1
- Specifications ..... 2
- Panel Descriptions ..... 3
- Connections and Operations ..... 6
- EQ and EDID information ..... 7
- Troubleshooting and Maintenance ..... 7
- Warning and Precautions ..... 7

## Product Overview

HDMI Extender HKET0250NC20 is the HDMI 2.0 version, with 1 HDMI Input, 1 HDMI Output by HDMI cable and 1 HDMI output by cat extended , support 2160P@60Hz , HDCP2.2, 3D, easy for operation and widely applied in home, theatre, shopping mall, school, conference, hotel installation industry.

## Features

- Support 4K/60Hz and below video output formats.
- Support HDMI2.0, HDCP 2.2 and 3D.
- 1 HDMI Input, 1HDMI Loop Output, 1 HDMI output by cat extended.
- Support 5V power supply.
- Easy installation and operation.

## Package Contents

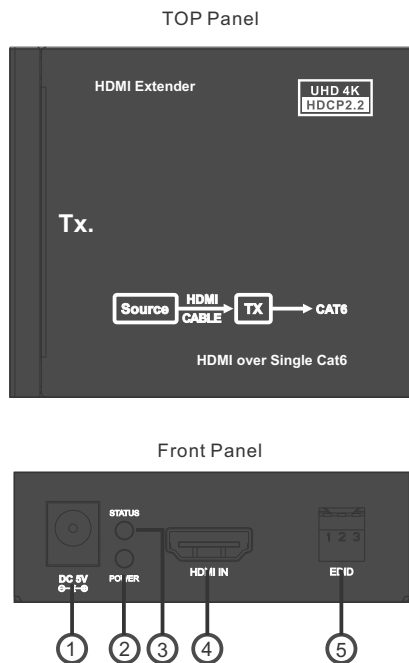
- ① 1xHKET0250NC20-TX
- ② 1xHKET0250NC20-RX
- ③ Operating instructions
- ④ 2xDC5V Power Adapter
- ⑤ 2xAC plug
- ⑥ IR TX cable
- ⑦ IR RX cable

## Specifications

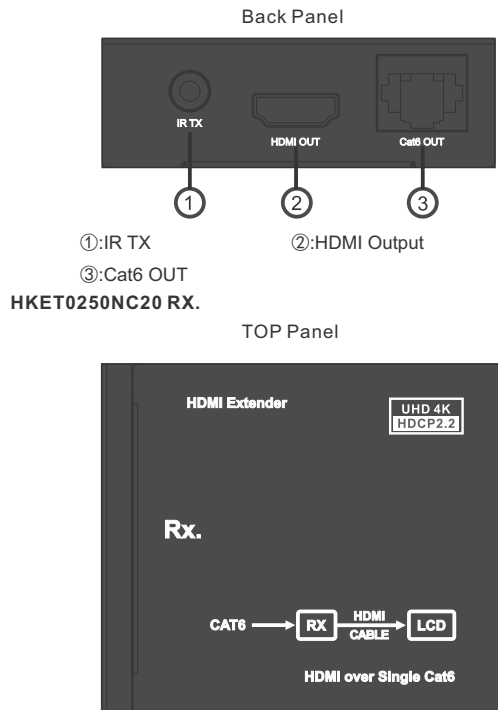
Operating Temperature Range	-5 to +45°C (+23 to +113 °F)
Operating Humidity Range	5 to 90 % RH (no condensation)
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Video Format Supported	4K60Hz/4K30Hz/1080p/1080i/720p/576p/480p /576i/480i
Output Video	HDMI 2.0
Output Audio	Support DTS-HD
HDMI Transmission Distance	4K≤8m,1080P≤15m
Ethernet cable Transmission Distance	Cat6A≤45m,Cat6≤40m
Power Supply	DC 5V
Power Consumption	2x4Watts
Dimensions	70mmL×80mmW×22mmH
Net Weight (Main unit)	0.25Kg

## Panel Descriptions

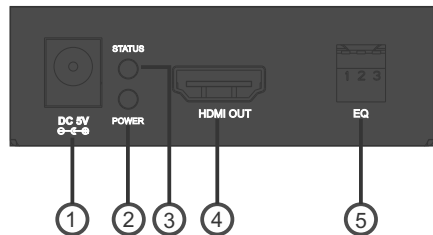
HKET0250NC20 TX.



- ①:DC Power Input      ②:Power LED
- ③:STATUS LED        ④: HDMI Input
- ⑤: EDID DIP SWITCH

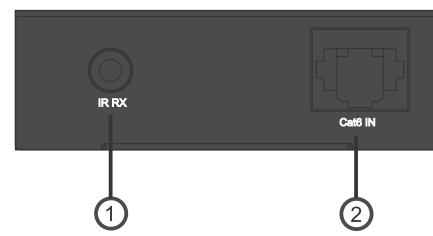


## Front Panel



- ①:DC Power Input      ②:Power LED
- ③:STATUS LED        ④: HDMI Output
- ⑤: EQ DIP SWITCH

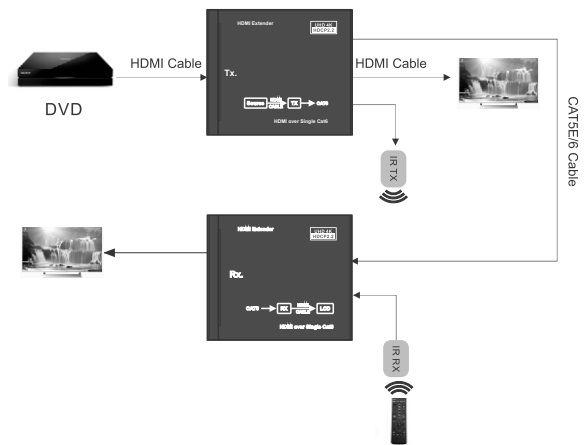
## Back Panel



- ①: IR RX
- ②: Cat6 IN

## Connections and Operations

1. Connection diagram:



2. Operation:

- ①.Connect the Extender TX's HDMI Input to signal source (eg. DVD, STB) with HDMI cable.
- ②.Connect the Extender TX's HDMI Output to display device (eg.TV set) with HDMI cable.
- ③. Connect the Extender TX's CAT Output to Extender TX's CAT input with CAT cable.
- ④. Connect the Extender RX's HDMI Output to display device (eg.TV set) with HDMI cable.
- ⑤.Turn on DVD, TV set and Extender TX and RX.
- ⑥. Choose a suitable EQ and EDID to make the video image and distance

## EQ and EDID information

DIP Switch1	DIP Switch2	DIP Switch3	EQ Boost at 850Mhz(dB)	EDID Information
0	0	0	9	4K@60Hz, HDR
0	0	1	14	EDID copy from TX
0	1	0	18	EDID copy from RX
0	1	1	21	1080p@60Hz 2.1ch
1	0	0	24	
1	0	1	26	
1	1	0	28	
1	1	1	30	

## Troubleshooting and Maintenance

- 1) If colour distorted or no video signal output:
  - a) check the corresponding input signal, if there is no input signal, please check the wire connection.
  - b) check the output interface is consistent with the right controlled one.
- 2) If the front panel digital light is with no shine and operating unresponsive, please ensure the power input is in well-connected.
- 3) Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or

## Warning and Precautions

- 1) Away from the heat source and avoid direct sunlight.
- 2) To ensure proper heat dissipation, avoid poorly ventilated spaces and do not block the vents.
- 3) To prevent electrical shock and fire, do not keep the machine in rain or wet places.
- 4) Do not connected to power supplies when installation or moving the device.
- 5) Do not touch the power adapter plug with wet hands.
- 6) Do not spill liquid on the machine, as it may cause internal short circuit or fire.
- 7) Do not attempt to open the cabinet. Please contact qualified service personnel for maintenance.