

# 4K HDMI2.0 Repeater ( YUV 4:4:4 )

## LM-HE30C

### 1. Description

LM-HE30C The 4K-HDMI Repeater transmits the signal to the display by actively regenerating the EQ value of the reconstructed signal source. HDMI Repeater through two HDMI cables, efficient transmission of HD signal up to 30 meters (4kx2k@60Hz), HD signal synchronization display.

LM-HE30C The 4K-HDMI Repeater can really display the perfect HD video resolution up to 4096 x 2160, can be used in HDTV display platform, HDTV, TV box, DVD/DVR/NVR and other equipment, data monitoring center, conference and Exhibition Center etc.

### 2. Features

1. Bandwidth can be increased to 18Gbps, resolution can up to 4kx2k@60Hz, support YUV4:4:4
2. Support TV refresh rate is 120Hz, it is 2 times the transmission rate of version 1.4
3. Support 12 bit deep colour, Full HD, 3D
4. Support CEC direct connection
5. Compliant with HDCP2.2/1.4
6. Self-adjustment of HMDI cable EQ value
7. Bandwidth range: 25MHZ - 600mhz
8. Compatible with standard type connectors, support HDR
9. Power consumption less than 300MA
10. No need power
11. Transmission distance analysis of different resolution (using 24AWG HDMI cable)

Input	Output
1080P standard HDMI cable: 0-40 meters	1080P standard HDMI cable: 0-10 meters
4Kx2K@30Hz standard HDMI cable: 0-25 meters	4Kx2K@30Hz standard HDMI cable: 0-10 meters
4Kx2K@60Hz standard HDMI cable: 0-20 meters	4Kx2K@60Hz standard HDMI cable: 0-10 meters



### 3. Specifications

No	Parameter	Description
1	Input interface	HDMI-A Female
2	Output interface	HDMI-A Female
3	Transmission distance	4K@60Hz up to 30m, 4K@30Hz up to 35m, 1080P up to 50m(Using HDMI CTS1.4 standard cables)
4	Impedance	HDMI 100Ω
5	Bandwidth	18Gbps(HDMI2.0)
6	Resolution	4kx2k@60Hz, YUV4:4:4 ; 480i/576i/480P/576P/720P/1080i/1080P
7	Input level	5V
8	Power	No need power, HDMI input take power
9	Power consumption (w)	<1W
10	Size(mm)	42x34x125mm
11	Weight(kg)	0.03
12	Working temperature(°C)	-5 to +65°C(+23 to +149°F)
13	Storage temperature(°C )	-20 to +65°C(-4 to +149°F)
14	Relative humidity(°C)	5 to 95%RH (non-condensing)

**Note: Specifications subject to change without further notice.**

### 5. Installation and Diagram

- 1 ) Connect the HDMI signal source (such as PS3, TV box, etc.) to the HDMI Repeater input port
- 2 ) Connect the HDMI display device (such as: HD-LCD, HD-DLP) to the HDMI Repeater output port

#### **Kindly reminder:**

- 1) please gently insert the cable.
- 2) please do not plug in or unplug the HDMI cable when power is switched on. Please connect the HDMI cable when the power is off.