

UHD 4K2K HDMI Repeater

1.Introduction

The UHD 4K2K HDMI Repeater is the most advanced solution for HDMI signal extension or cascade. It does amplifies signal and equalization to provide high performance I/O of audio and video through HDMI cable for distance up to 20 meters at 4K2K@60Hz(Only YUV_420) and 30 meters at 1080p@60Hz. Capable of receiving and transmitting 3Gbps bandwidth rate with CDR (Clock Data Recovery) ensure not data loss.

2.Package

- UHD 4K2K HDMI Repeater-----1Pcs
- User manual-----1pcs

3.Feature

- HDCP 2.2 and HDMI2.0 Compliant;
- Built-in TMDS equalization and CDR (Clock Rate Recovery) for extended HDMI cable distance;
- Supports HDMI Input/Output cable distance up to 20m at 4K2K@50/60 & YUV_420;
- Supports HDMI Input/Output cable distance up to 30m at 1080P@50/60;
- Requires HDMI source devices to output power to the unit over HDMI cable;

4.Specification

Video Bandwidth	340MHz /10.2Gbps
Input Port	1 xHDMI
Output port	1 xHDMI
Resolution	HD: 480i~4K2K@24/25/30 & 4K2K@50/60YUV_420 PC: VGA ~ WUXGA (RB)
Cable Distance	20m@4K2K,30m@1080p
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Dimensions	50mm (W) x 27mm (D) x 15mm (H)
Weight	10 g
Chassis Material	Plastic
Silkscreen Color	Black
Operating Temperature	0°C~40°C / 32°F ~ 104°F
Storage Temperature	-20°C ~ 60°C / -4 °F ~ 140 °F
Relative Humidity	20 ~ 90% RH (non-condensing)

5.Connection Diagram

