

# LONG RANGE HDMI EXTENSION SYSTEM

UP TO MORE THAN 150METERS VIA SINGLE/DUAL STP/UTP CABLES

With more and more AV equipments are equipped with HDMI. Installers need to find a reliable and cost effective way to extend the HDMI signal to remote locations. Traditional HDMI cable is not easy for this purpose because the long cable must be customized in factory by professional workers. The installers must measure the length accurately in advance which is nearly impossible in many cases. When you found after 4-6 weeks waiting, the coming cable is only 10cm shorter than your real need, that must be a real frustration. Besides this, for a long HDMI cable, the gage is higher than normal. Pulling so thick cable through conduit is not easy, it is difficult to bend...And the cost of long HDMI cable is high.

The industry sees more and more video signals going through STP/UTP cables in real applications. These devices carry the traditional analog video over long range easily. However for HDMI signal. So far there are few complete solutions for long range transmission. Grandbeing's long range HDMI extension system is just for the desired market.

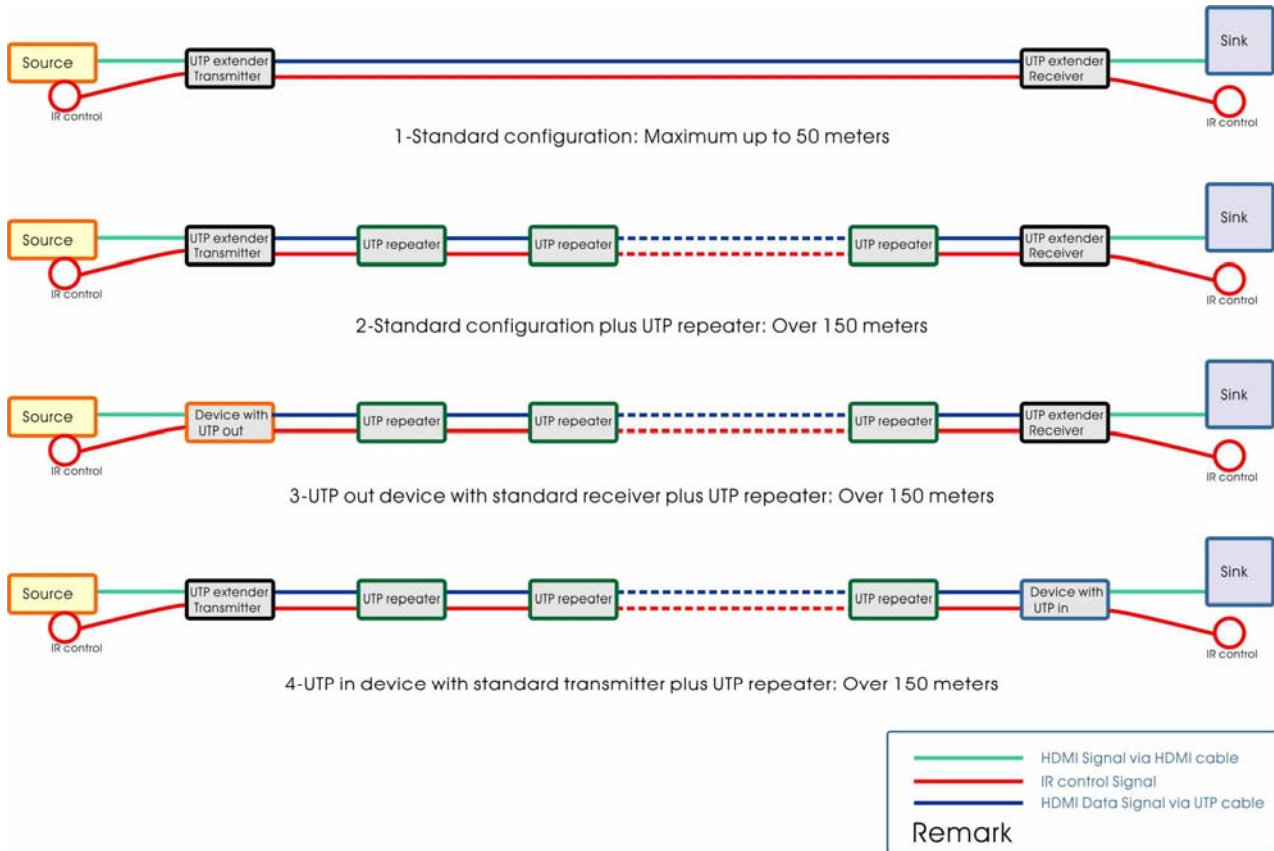
**For best performance of the transmission, following notices must be paid attention to:**

- 1) Try to avoid using these devices in loud electrical noise area, keep all the devices and cables away from strong interfering sources such as mobile phones etc.
- 2) Using metal conduit to shield the STP/UTP cables.
- 3) Try to use STP cables instead of UTP cable.
- 4) Try to use Cat6 cable or better performance cable.

Chart 1

Performance→	Best	Better	Good	Normal
Be away from Electrical interference	√			
Using metal conduit or other shielding	√	√		
Using STP cable	√	√	√	
Using Cat6 or better cable	√	√	√	√

## Typical configuration of HDMI STP/UTP cable extension system



### Key Models for long Range HDMI extension:

## FEATURES (ONLY FOR EX0101-U52/U53)

- ◆ One pair as a full functional module, no need of setting.
- ◆ Use UTP LAN cable (Cat5E/6) to substitute HDMI cable to achieve long distance transmission.
- ◆ UTP cable termination follows the standard of IEEE-568B.
- ◆ Transmission distance reaches up to 50 meters under the video format of 1080P.
- ◆ Auto-adjustment of feedback, equalization and amplify, the user does not need to care about the length of the cable.
- ◆ HDMI V1.3b supported.
- ◆ Signaling rates up to 2.25Gbits in support of 1080P display.

- ◆ Each port supports HDMI or DVI inputs.
- ◆ HDCP compliant.
- ◆ With LED indicators to show the power and video signal status.
- ◆ With ESD protection inside.
- ◆ Mounting ears supplied.
- ◆ Transfer Infrared control signal together with the HDMI signal.
- ◆ This model could be cascaded.



**EX0101-U30/U31**(30meter UTP extender without IR)



**EX0101-U50/U51**(50meter UTP extender without IR)



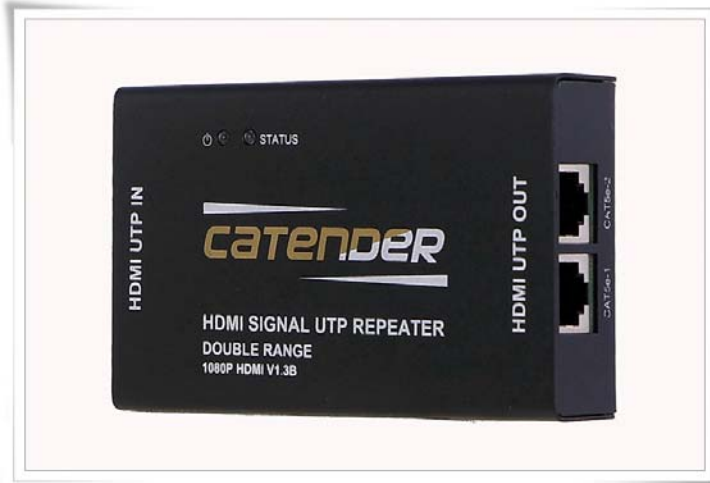
**EX0101-U32/U33**(30meter UTP extender with IR )



**EX0101-U52/U53**(50meter UTP extender with IR )



**EX0101-U02**(30meter UTP extender without power supply)



**EX0101-3U1**(Dual UTP HDMI repeater with IR )



**SP0202-HU2**(Used for relaying single UTP HDMI signal)

*(\*EX0101-3U1 could be used for relaying dual UTP HDMI signal. It could be cascaded up to 6 levels. 30 meters for each level under HD video 1080P*

*\* SP0202-HU2 could be used for relaying single UTP HDMI signal. It could be cascaded up to 6 levels. 30 meters for each level under HD video 1080P)*

**Optional accessories for the system:**



IR emitter



IR receiver

Other key models related to the high density HDMI splitting system



MX0408-310 (Front)



MX0408-310 (Rear)



**MX0404-U08 (Front)**



**MX0408-U08 (Rear)**



**SP0208-330**



**SP0204-310**

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