



KA103 HDMI EXTENDER 100M V2.0 4K2K 60HZ



HDbitT HDMI extender includes a transmitter unit(TX) and a receiver unit(RX). It applied advanced HDbitT technology, the resolution supported is up to 4Kx2K@60Hz ultra HD. It supports one to one and one to many connections, the transmission distance is up to 100 meters. With IR passback function, it is very easy to control media playback of the signal source device at the display location.

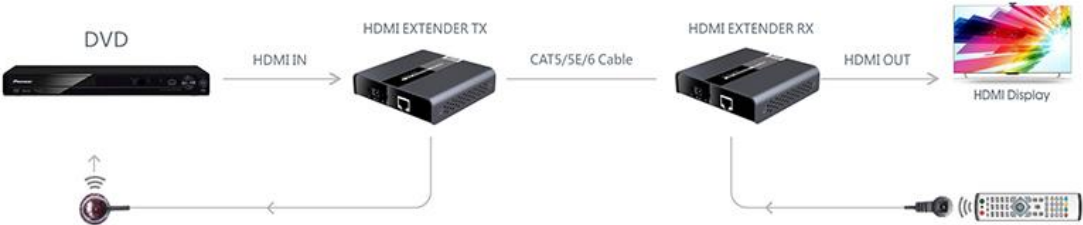
Features

1. HDMI 2.0 and HDCP2.2 compliant
2. Extend HDMI signal over a single CAT5/6
3. Resolution supported is up to 4Kx2K@60Hz ultra HD
4. Support one to one and one to many configuration
5. Interconnect with other HDbitT VGA/SDI/DVI transmitter via CAT5/6
6. Long transmission distance up to 100 meters
7. IR passback with 20-60KHz wide frequency to control source device from receiver side easily

Items	Specification
Voltage/Current	DC5V/3A
Power consumption	TX: < 8W RX: < 10W
HDMI compliance	HDMI2.0
HDCP compliance	HDMI2.0
HDMI input resolution supported	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz, 4Kx2K @24/25/30/60Hz
HDMI output resolution supported	1080p@60Hz, 4Kx2K@30/60Hz
Audio formats supported	L/R stereo audio
Maximum transfer rate	18Gbps
Input and output TMDS signal	0.7 ~ 1.5Vp-p(TMDS)
Input and output DDC signal	5Vp-p(TTL)
Transmission length	120m
Input cable length supported	≤5m(AWG24)
Output cable length supported	≤5m(AWG24)
IR remote control	Supports IR passback with 20~60KHz frequency
Transfer method	Over UTP/STP CAT5/5e/6
Connector	RJ45
Delay	≤200 ms
Electrostatic protection of the whole machine	1a Contact discharge level 3 1b Air discharge level 3 Standard: IEC61000-4-2
Working temperature	0 ~ 50°C
Storage temperature	-10 ~ 70°C
Humidity (no condensation)	0 ~ 90%
Dimension	103(L) x97.5(W) x 24.8(H)mm
Material	Iron alloy material + crystal panel
Finishing	Grit blast
Color	Black
Weight	TX:240g, RX:240g
Mean time between failures (MTBF)	>30000 Hours

Connections

1. One to one connection: up to 120 meters transmission distance over single CAT6 (High quality cable can reach 150 meters) .



2. One-to-many Connection: by using network router/switch, one sender to several receivers, realize extender and splitter function.

