

1080P HDMI Extender 120m (TX+RX)

HE120HD

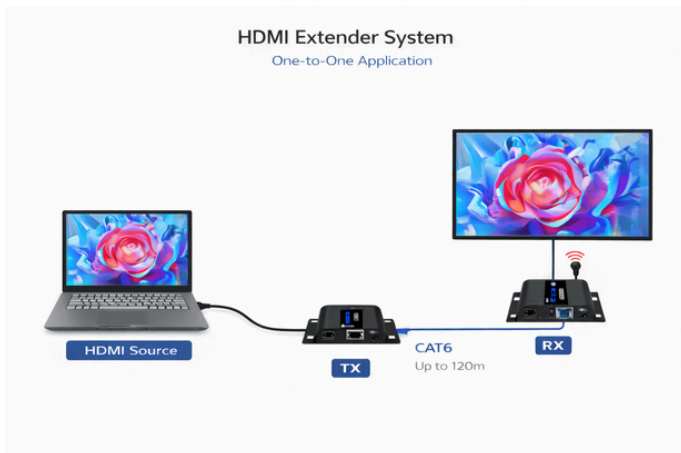


FEATURES

This HDMI extender enables high-definition video and audio transmission over standard network cables for long-distance signal distribution. It supports stable low-latency extension up to 120 meters using CAT6 cable and allows flexible system deployment through Gigabit network switches. With IR passback control and reliable protection design, it is ideal for digital signage, multimedia broadcasting, conference rooms, and AV signal distribution applications.

- Supports HDMI resolution up to 1920×1200@60Hz
- Transmission distance up to 120m over CAT6 cable
- Compatible with CAT5 / CAT5e / CAT6 network cables
- Supports one-to-one or one-to-many connection through Gigabit switch
- HDMI embedded audio transmission with LPCM 2.0 support
- IR passback control (20-60kHz) for remote device operation
- Micro USB port for firmware upgrade
- Lightning protection, surge protection, and ESD protection
- Plug-and-play installation with no configuration required

APPLICATION EXAMPLE



SPECIFICATION	
Technical	
HDMI Standard	- HDMI 1.3
HDCP	- HDCP 1.4
Max Resolution	- 1920×1200@60Hz (Backward compatible)
Video Bandwidth	- 4.96Gbps
Transmission Latency	- 80~130ms
Transmission Distance	- CAT6: 120m
Connection	
HDMI Input (TX)	- 1 × HDMI
HDMI Output (RX)	- 1 × HDMI
Network Port	- 1 × RJ45 (TX), 1 × RJ45 (RX)
IR Interface	- TX: 1 × 3.5mm IR OUT - RX: 1 × 3.5mm IR IN
Audio	
Audio Support	- LPCM 2.0
Audio Format	- HDMI embedded audio
Power	
Power supply	- DC 5V/1A
Power Consumption	- TX ≤ 3.5W - RX ≤ 2.5W
Compatibility	
Supported Resolutions	- 1080P@24/25/30/50/60Hz - 720P@50/60Hz - 576P / 480P - 1920×1200, 1680×1050, 1600×900 - 1280×1024, 1280×960, 1280×720 - 1024×768, 800×600
Network Cable	- CAT6
Connection Modes	- One-to-One - One-to-Many (via Gigabit Switch)
General	
Physical Dimension (W x D x H)	- 96.8 × 94 × 23.7 mm (transmitter & receiver)
Weight	- 150g (transmitter) - 145g (receiver)
Housing	- Aluminium
Operating Temperature	- 20°C ~ 60°C
Storage Temperature	- 30°C ~ 70°C
Safety	
ESD Protection	- Contact ±4KV, Air ±8KV (IEC61000-4-2)