

# 1080P HDMI Extender 120m (RX) HE120HDRX

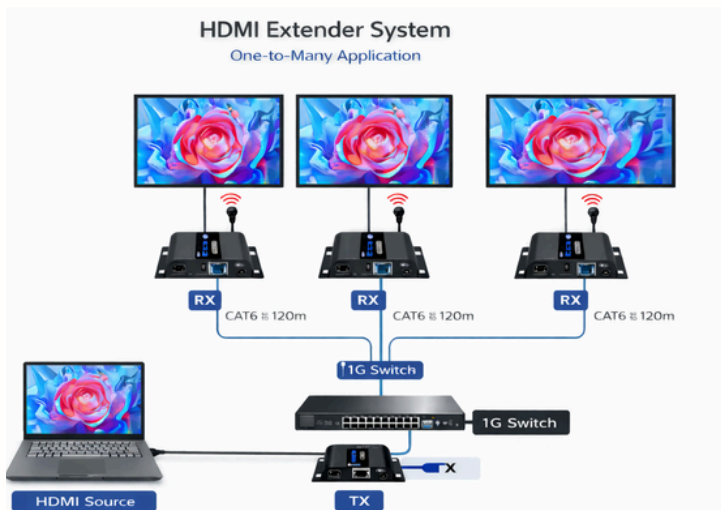


## FEATURES

This HDMI receiver works with compatible transmitters to receive high-definition video and audio signals over standard network cables. It supports stable long-distance signal reception up to 120 meters using CAT6 cable and allows flexible distribution through Gigabit network switches. With IR passback control and reliable protection design, it is suitable for digital signage, conference rooms, multimedia broadcasting, and AV distribution systems.

- Supports HDMI output up to 1920×1200@60Hz
- Receives HDMI signal over CAT5 / CAT5e / CAT6 network cable
- Transmission distance up to 120m via CAT6
- Supports one-to-one and one-to-many distribution via Gigabit switch
- HDMI audio output with LPCM 2.0 support
- IR passback support for remote device control (20~60kHz)
- Micro USB port for firmware upgrade
- Built-in lightning, surge, and ESD protection
- Compact aluminium housing for efficient heat dissipation
- Plug-and-play installation with no configuration required

## APPLICATION EXAMPLE



## SPECIFICATION

SPECIFICATION	
<b>Technical</b>	
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
<b>Connection</b>	
HDMI Output (RX)	- 1 × HDMI
Network Port	- 1 × RJ45 (RX)
IR Interface	- RX: 1 × 3.5mm IR IN
<b>Audio</b>	
Audio Support	- LPCM 2.0
Audio Format	- HDMI embedded audio
<b>Power</b>	
Power supply	- DC 5V/1A
Power Consumption	- RX ≤ 2.5W
<b>Compatibility</b>	
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)
<b>General</b>	
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
<b>Safety</b>	
ESD Protection	- Contact ±4KV, Air ±8KV (IEC61000-4-2)