

# HDMI EXTENDER 120 MTR

BRAND: **PRITECH**  
PART NO.: **PA-HE-120**

## INTRODUCTION

This HDMI extender extends the transmit length of HDMI Visual /Audio up to 120m (394ft) with single network cable. Supports IR signal transmission, to control media playback of the signal source device at the display location.

This product is perfect for AV transmission in applications of HD conference system, HD video shooting, HD multimedia education system, HD digital advertising and signage etc.

## FEATURES

- Compatible HDCP
- Supports 1080p and 720p video, plus 2-channel audio
- Uses off-the-shelf gigabit IP switches for extension and distribution
- Plug-and-play operation – no programming or setup required
- Extends 1080p HDMI signals up to 120m over a single Cat5e/6 cable
- Traffic can unicast, multicast or broadcast for different applications
- Allows Wideband IR remote control of sources devices.
- Use ethernet switches to achieve large cascade
- Include a transmitter unit (TX) and a receiver unit (RX), working as a pair.
- Transmission distance up to 120m via CAT6 cable, 100m via CAT5E cable, 80m via CAT5 cable.
- Support IR pass back for remote control source device to receiver site easily for perfect improved infrared remote control experience
- Adopts the latest 4.0 technology for more vivid and smoother image, resolution, and refresh rate up to 1080P/50/60Hz
- Upgraded Technology ensures lower transmission delays and better compatibility with display source, signal source and transmission cable
- One transmitting end can be connected to multiple receiving ends through a network router or switch. Also 253 receiving devices can be connected. The infinite extension and distribution function can be realized through the switch cascade.
- Industrial Grade Design, Lightning Protection, Surge Protection, ESD protection ensures higher reliability and stable signal transmission. High-performance digital chip can work 24\*7.
- Plug and play, without installation.



## SPECIFICATIONS

<b>HDMI compliance</b>	HDMI 2.0	
<b>HDCP compliance</b>	HDCP 2.0	
<b>Video bandwidth</b>	18Mbps (10.2G)	
<b>Transmission distance</b>	CAT5: 80m, CAT53: 100m, CAT6: 120m	
<b>Video support</b>	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 1080p@50/60Hz	
<b>Audio support</b>	PCM	
<b>InputTMDs signal</b>	0.7 ~ 1.2Vp-p	
<b>InputDDC signal</b>	5Vp-p	
<b>POE support</b>	No	
<b>RS232 support</b>	No	
<b>loop-out on TX</b>	No	
<b>Multiple receiver connection</b>	yes (one TX to unlimited RX)	
<b>IR pass back</b>	Yes	
<b>IR frequency Range (KHz)</b>	20-60KHz	
<b>Input</b>	1XHDMI, DC2.1	DC2.1, 1xRJ45, 1x3.5mm(IR)
<b>Output</b>	1XRJ45, 1x3.5mm (IR)	1XHDMI
<b>HDMI source control</b>	Controllable via IR pass back from RX to TX	
<b>HDMI connector</b>	Type A, Female, 19-pin	
<b>RJ-45 connector</b>	RJ-45	
<b>Mechanical</b>	Transmitter-TX	Receiver-RX
<b>Housing</b>	Metal enclosure	
<b>Dimensions (LxWxH mm)</b>	96.8x94x23.7mm	
<b>Net weight</b>	TX: 145g	RX: 142g
<b>Power supply</b>	5V/1A	
<b>Consumption</b>	3.5W	3W
<b>Operation temperature</b>	0~60°C	
<b>Storage temperature</b>	-20~70°C	
<b>Relative humidity</b>	0~95%(non-condensing)	



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