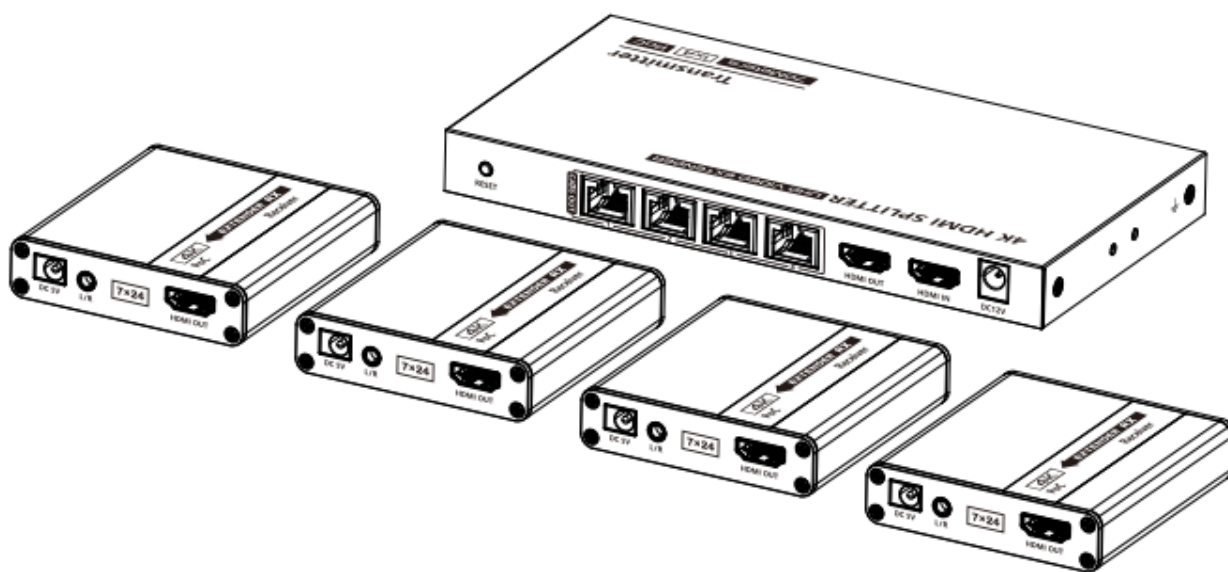# NEXIS

1x4 HDMI Splitter With Extender
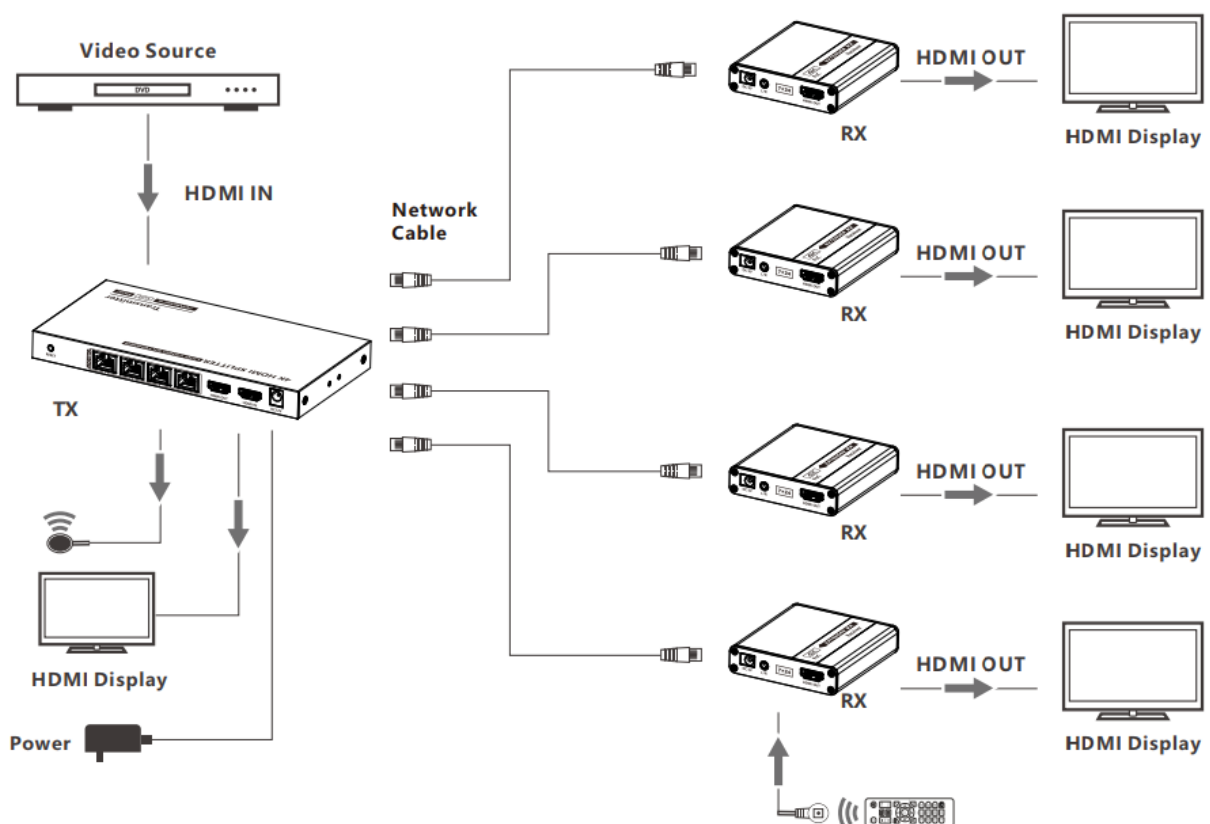
LH-144EP

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

• Features

1. Zero-latency transmission.
2. Support up to 4K@30Hz resolution, downward compatible.
3. Support HDR10.
4. Distribute 1 HDMI source to 4 HDMI displays.
5. Support CAT6/6A/7 network cable, which can transmit 1080p signal up to 70 meters and 4K30Hz signal up to 40 meters.
6. Support power over network cable, only the transmitter needs to be powered.
7. The transmitter support HDMI loop out.
8. Support bi-directional IR passthrough(20~60KHz).
9. Support RS-232 command control.
10. Surge Protection, Lightning Protection, ESD Protection.

1. Connection Diagrams

• Technical Parameters

Item		Specification
Mode		1 input, 4 output
HDMI Perfomance	Compatibility	HDMI 1.4，HDCP1.4
	Resolution	800x600、1024x768、1280x720、1280x960、1366x768、1440x900、1680x1050、1920x1080、480i@60Hz、480p@60Hz、576i@50Hz、576p@50Hz、720p@50/60Hz、1080i@50/60Hz、1080p@24/25/30/50/60Hz、4K@24/25/30Hz
	Audio Formats	PCM、LPCM、DTS-HD、DTS-Audio
Transmission distance	CAT6/6A/7	1080p@60Hz≤70 meters 4K@30Hz≤40 meters
IR Passback		Bi-directional IR passback (20-60khz)
RS-232		3Pin：GND-RxD-TxD，follows RS-232 levels Default baud rate：9600
Operating Environment	Working temperature	-20~60℃
	Storage temperature	-30~70℃
	Humidity	0~90% RH
Protection		ESD protection 1a Contact discharge level 2 (±4KV) 1b Air discharge level 3 (±8KV) Implementation of the standard: IEC61000-4-2
	Lightning protection	
	Surge protection	
Power	Supply	TX: DC12V/2A RX: DC5V/1A
	Consumption	TX < 10W RX < 2.5W
Physical Properties	Housing	Iron
	Color	Black
	Weight	TX: 435g RX: 160g x4
	Dimensions	TX: 191.5(L) x 96.5(W) x 19.0(H)mm RX: 75.0(L) x 80.0(W) x 18.0(H)mm