1080P HDMI EXTENDER OVER IP

P2K-HRSL3E1 / P2K-LHRS1E3
P2K-HRSL3E1-P / P2K-LHRS1E3-P (PoE)

OVERVIEW

The Partilink 1080P HDMI Extender series is composed of transmitter and receiver to extend HDMI, RS-232 and IR over IP via CATx cable and Gigabite Ethernet switch. Suitable for point to point uni-cat, point to multi-point or multi-point to multi-point multi-cast.

FEATURES

- RS-232 bi-directional extension
- 4 bits switch for 16 stream channel selection
- 2 bits switch for 8 RS-232 Baud rate setting
- HDCP compliant and Blu-Ray ready
- IR extension
- Automatic EDID configuration
- Networking environment under 10/100 BASE-T switch hub and CAT-5 cable switch hub and CAT-5 cable
- Point to point extension, unicast and multicast
- Point to point extension via CATx without Ethernet switch up to 100M
- PC tool Ethernet and web UI control
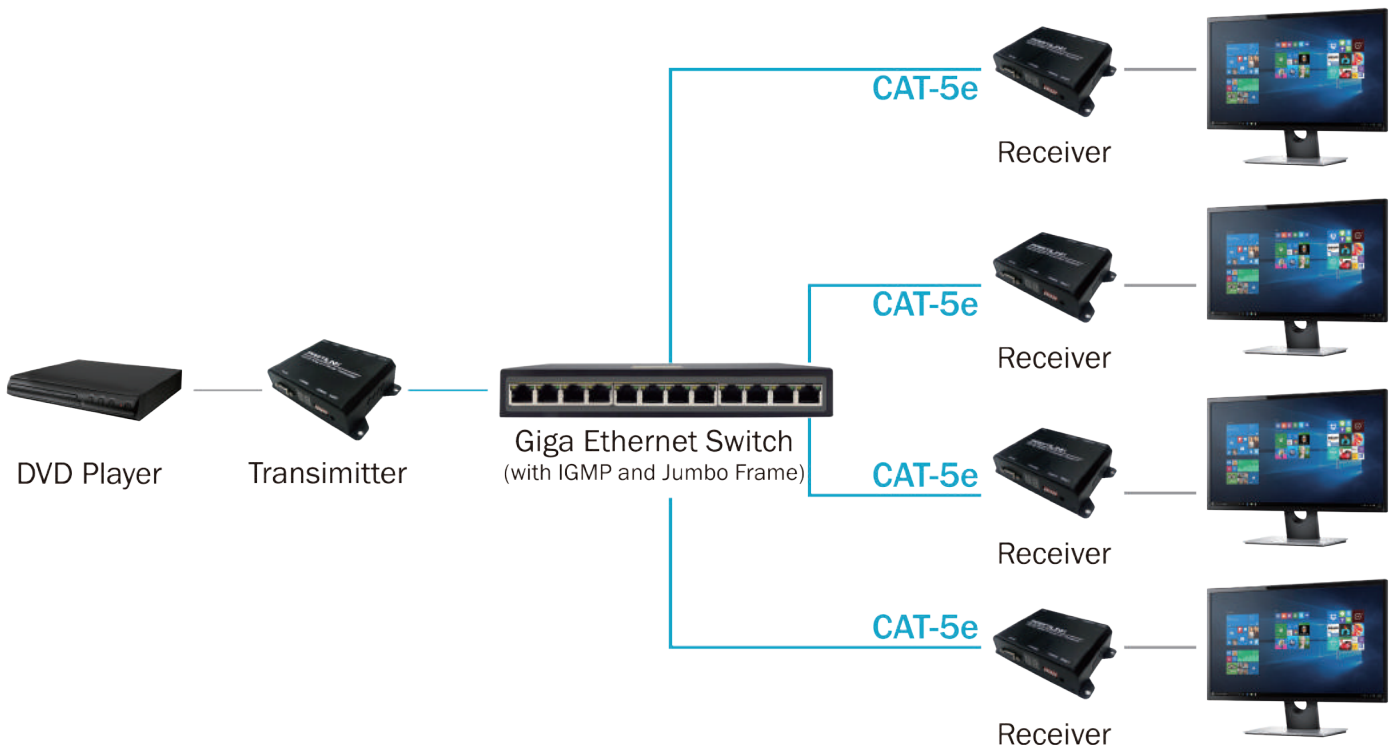- P2K-HRSL3E1-P / P2K-LHRS1E3-P version supports Power over Ethernet

APPLICATION

- Unicast, point to point extension
- Multicast, point to multi points or multi points to multi points extension
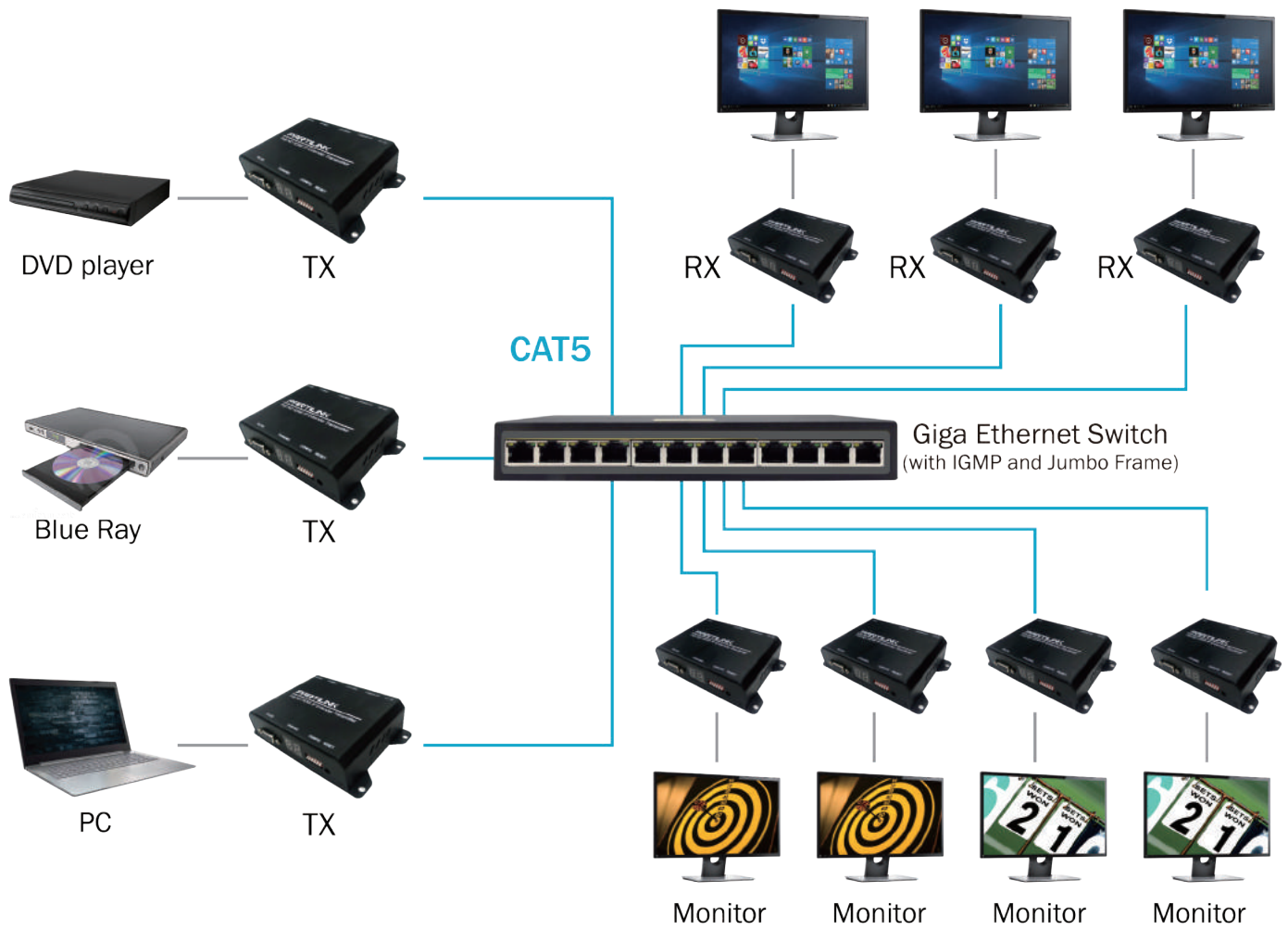- Screen wall installation

■ **Unicast**

CAT-5e

Transimitter   Receiver

■ **Multicast**

a. Video Distribution

CAT-5e

Receiver

CAT-5e

Receiver

CAT-5e

Receiver

CAT-5e

Receiver

DVD Player   Transimitter

Giga Ethernet Switch
(with IGMP and Jumbo Frame)

b. Matrix Distribution

DVD player

TX

Blue Ray

TX

PC

TX

CAT5

RX   RX   RX

Giga Ethernet Switch
(with IGMP and Jumbo Frame)

Monitor   Monitor   Monitor   Monitor

SPECIFICATION

MODEL NO.	P2K-HRSL3E1 P2K-HRSL3E1-P Transmitter	P2K-LHRS1E3 P2K-LHRS1E3-P Receiver
INPUT	HDMI Type-A female connector	None
OUTPUT	HHDMI Type-A female connector for loop through	HDMI Type-A female connector
IR	3.5mm phone jack for IR emitter to control video source device	3.5mm phone jack for IR receiver cable to receive remote signal
COMPRESSION	• H.264 compression video format Full HD encoder/ decoder • MP3 compression audio format stereo 192Kbps encoder/ decoder. • Media stream up to 18Mbps	
HDMI INPUT RESOLUTION	1080p 60/50, 1080p 30/25, 1080i 60/50,720p 60/50, 480i 60/50, 480p 60/50	
HDMI OUTPUT RESOLUTION	1080p 60/50, 1080i 60/50, 720p 60/50, 480i 60/50, 480i 60/50, 480p 60/50	
AUDIO FORMAT	Stereo 192Kbps	
IP PROTOCOL	TCP, UDP, RTSP, RTP, DHCP, IGMP, Multicast, IPV4	
LAN PORT	RJ-45 connector for 10/100 BASE-T CAT-5 extension	
SERIAL	DB-9 female connector for RS-232	
POWER INPUT	• 2.0mm power jack for DC5V/2A • RJ-45, Power over Ethernet 36V~57V / 7W in (PoE model only)	
OPERATING TEMPERATURE	0~55°C	
OPERATING HUMIDITY	5%~90% RH	
POWER ADAPTER	AC in 100~240V (50~60Hz), DC5V/2A out	
	ESD protection air gap discharge ±8KV, contact discharged ±4KV	
DIMENSION	130 x 82 x 30.25 mm (L x W x H)	
WEIGHT	290 G per transmitter or receiver unit	
FRONT & BACK VIEW		