

NP-HD2IP-TX/RX



HDMI Video over IP network with PoE

NP-HD2IP-TX/RX is IP network extender which can send maximum 4K@60Hz image by Cat 5e/6 cable. With a combination of 1G PoE network switch, external power supply is unnecessary. This can be used for video wall, matrix switcher and extender simply and flexibly. Bidirectional IR and RS232 and USB extension available.

FRONT & BACK



Rear: NP-HD2IP-TX



Rear: NP-HD2IP-RX

SPECIFICATIONS

Item				NP-HD2IP-TX(Transmitter)	NP-HD2IP-RX (Receiver)
Model				NP-HD2IP-TX(Transmitter)	NP-HD2IP-RX (Receiver)
Input / Output Signal	Video	HDMI	Number/Signal	1 input - Type A Connector(Female) - HDCP 2.2	1 input - Type A Connector(Female) - HDCP 2.2
			Format	480P,720P,1080i/P 3840 x 2160 @ 60Hz(YCbCr 4:2:0)	480P,720P,1080i/P 3840 x 2160 @ 30Hz
	Audio	Digital	PCM 5.1/7.1 2 Channel Dolby Digital 5.1 Channel, Dolby Digital Plus, Dolby Digital True-HD,DTS 5.1 Channel DTS-ES, DTS-HD High Resolution, DTS-HD Master Audio		
		Analog	1 input(2CH,3.5mm jack)	1 input(2CH,RCA pin jack)	
Network(LAN)		Distance	100m(Cat5E,Cat6 Cable)	100m(Cat5E,Cat6 Cable)	
		Connector	1 x RJ-45(Correspond to PoE)	1 x RJ-45(Correspond to PoE) 1 x RJ-45(For Cascade connection)	
Interface		643	1 Port(Type B)	2 Port(Type A)	
		RS-232C*1	1 Terminal(3 Pin)	1 Terminal(3 Pin)	
		IR*2	1 Emitter port / 1 Receiver port	1 Emitter port / 1 Receiver port	
Power		Supply from PoE	Yes		
		PoE Standard	IEEE802.3af		
		Power In*3	24-56VDC Via DC Jack(With lock-type)		
		Power Consumption	6.2w	7w	
Channel display*4		Yes		Yes	
Scaler		No		Yes	
Others	Dimensions(Without connector parts)		190.4 x 103.7 x 24.6mm	190.4 x 103.7 x 23.8mm	
	Temperature		Operating/Storage temperature : 32 – 122 F(0 -50 degrees C)		
	Humidity		Operating/Storage humidity : 10% - 80%		
	Accessories		RS-232 Phoenix connector, Mounting bracket	RS-232 Phoenix connector, Mounting bracket	

*1: In addition to the extension between transmitter and receiver, serial port control between any transmitter and receiver via network is possible.

*2: Need to connect IR TX/RX cable (Optional)

*3: DC Power adapter is optional.

D @ Channel switch can be done from receiver side(Channel at transmitter is only used at initial setting).

Options: IR cable, DC power adapter

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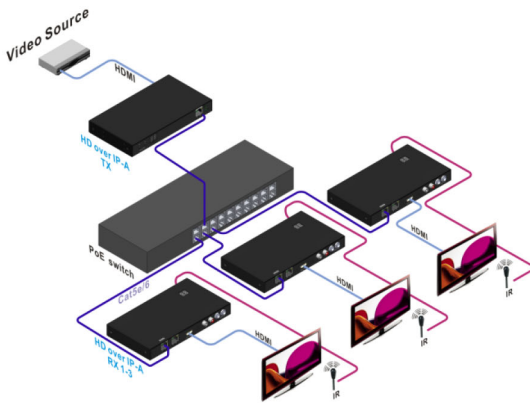
NP-HD2IP-TX/RX



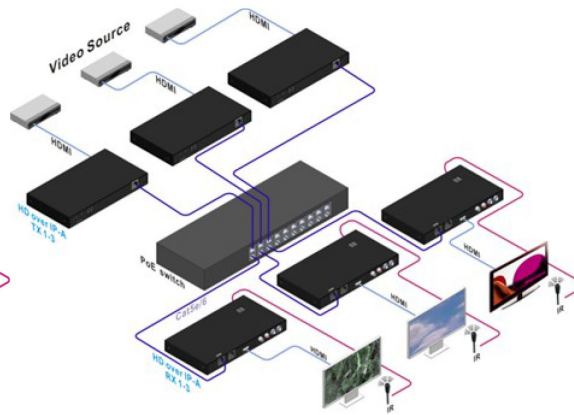
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CONFIGURATION SAMPLE

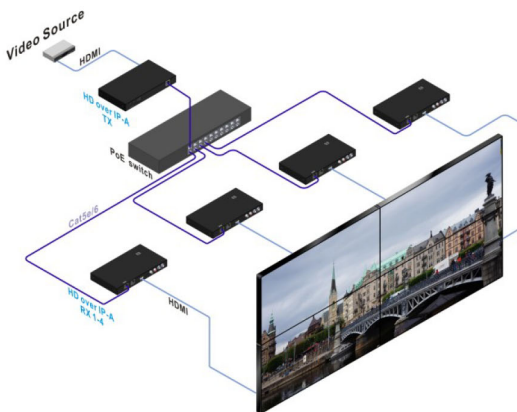
(1) Distribution amplifier



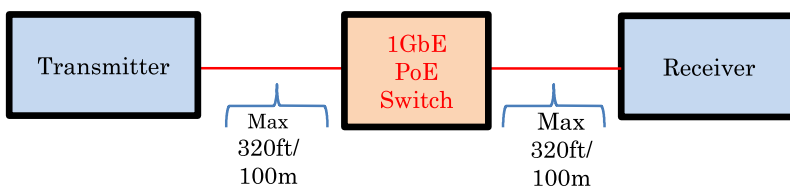
(2) Matrix switcher



(3) Video wall



MAXIMUM DISTANCE



- Up to 640ft/200m extension distance by above configuration
- Transmitter and receiver can be connected directly (Maximum distance 320ft/100m, DC power supply necessary)
- There is no limitation for the extension distance by below configuration. However, network device between the units need to correspond to multicast under jumbo frame.
{Transmitter – Switch 1 – Network – Switch 2 – Receiver}

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