

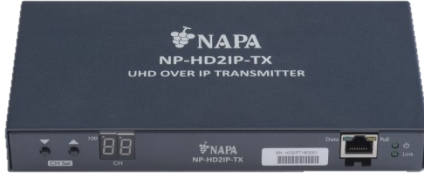


HDMI Video over IP network with PoE NP-HD2IP-TX/RX Transmitter/Receiver

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.

■ Outside design

NP-HD2IP-TX (Transmitter)



NP-HD2IP-RX (Receiver)



■ 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			USB	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.

*4: 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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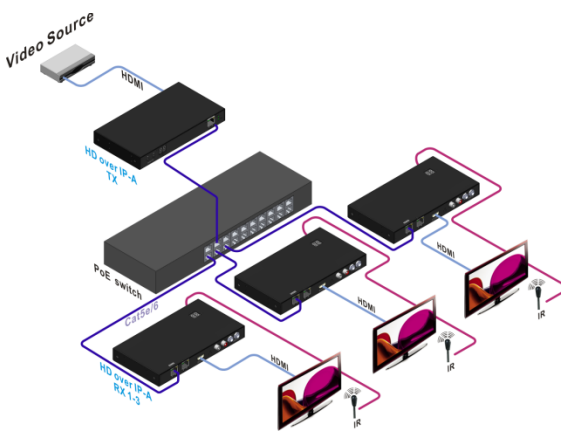
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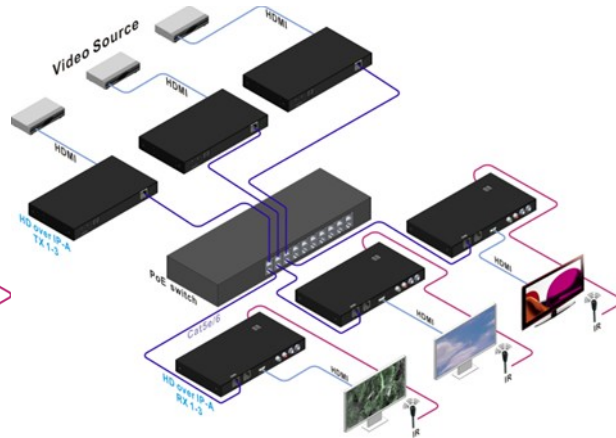
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■ Configuration sample

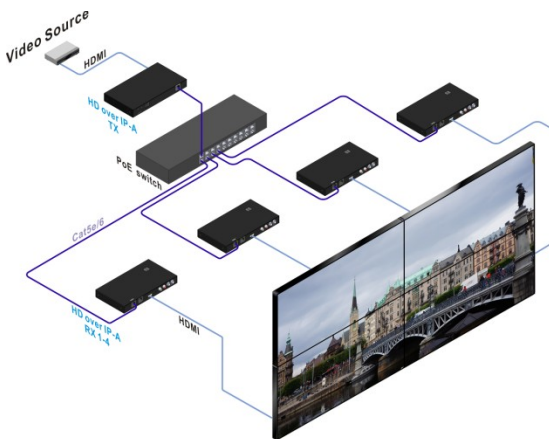
(1) Distribution amplifier



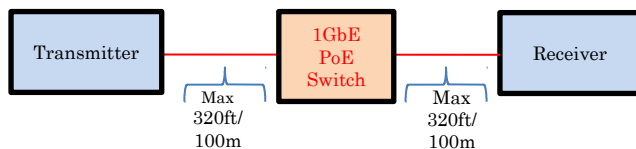
(2) Matrix switcher



(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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