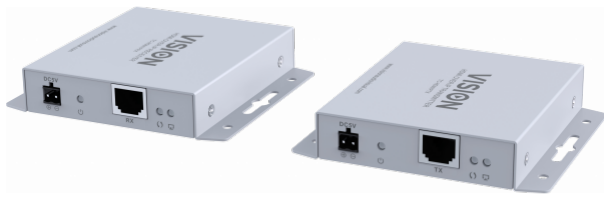


Distributes HDMI via a network, H.264 compression
One-to-One directly or One-to-Many over LAN
IR Pass-through



The TC-HDMIIP converts HDMI signal into TCP/IP packets for transmission over a standard LAN network. With no visible loss of video quality it is perfect for corporate and digital signage applications. Each receiver on a network uses a compact 18Mbps bandwidth thanks to the H.264 compression.

Scalable

Transmitters and receivers sold separately so you can scale your system as you wish.

One to Many

Need to display one source on many screens? This product is perfect! It multi-casts, so you can have one transmitter for the source, and up to 253 x receivers can set on the network – one for each display. Only one transmitter per network.

Point to Point without LAN

Connect one transmitter directly to a receiver and completely bypass a network. This will work with a standard CAT6 cable up to 120m (394 ft) long, or 150m (492 ft) on a high quality cable.

Maximum Length

If using a LAN the signal will be repeated by each node on the network, resulting in unlimited length.

Resolution

Fully HDCP 1.2 compliant, it supports resolutions up to 1920 x 1080 (also known as 1080P).

Audio

Digital audio encoded on the HDMI signal is transmitted.

IR Pass-Through

Control the source device from the display with the IR pass-through. An IR blaster and receiver cable is included, and it supports standard 20-60kHz IR signals.

Plug and Play

EDID (extended display identification data) is automatically passed through. Just connect everything together and it will work immediately.

EQ-Free

The signal passes through a network without the normal skew and balancing distortion.

H.264 Compression

Video is compressed using the H.264 protocol – the same type of compression used on Blu-Ray. Images are full colour with smooth motion.

LAN Protocols

Despite using the standard IP protocols you don't need to be a network engineer. All end points must be on the same subnet... that's all you need to know. For best results use a stand-alone network for this system.

Dual-Power

This product requires a power supply for each transmitter and receiver. It does not use PoE.

Unmanaged Switch

Many video-over-IP solutions require a managed switch so that IGMP snooping can be enabled, but in this case no advanced switch setup is required, so a low cost unmanaged switch can be used.

Multiple Sources

If you need more than one source to be distributed over one physical LAN you can use Virtual LANs to separate the topologies. The systems are kept separate and cannot be used as a matrix. A DHCP switch assigns IP addresses to each end point and is used to create the vLANs.

SPECIFICATIONS

Value HDMI-over-IP

TRANSMITTER DIMENSIONS

97 x 94 x 24 mm / 3.82" x 3.70" x 0.94" (length x width x height)

RECEIVER DIMENSIONS

as above

PACKAGED DIMENSIONS

155 x 117 x 77 mm / 6.1" x 4.60" x 3.03"

PRODUCT WEIGHT

0.145 kg / 0.31 lb per set

PACKAGED WEIGHT

0.48 kg / 1.06 lb per set

CONSTRUCTION MATERIAL

Metal

COLOUR

White

LATENCY

200 ms

COMPRESSION TYPE

H.264

STANDARD

IEEE-568B

CABLE

CAT5E/6 Shielded or Unshielded

BANDWIDTH

18Mbps per receiver

HDMI VERSION

1.3 (3D not supported)

HDCP VERSION

1.2

MAXIMUM CABLE LENGTH

120m (394 ft)

CAT5E

100m between ethernet devices

CAT6

120m between ethernet devices

MAXIMUM RESOLUTION

1080p@50/60Hz (1920 x 1080)

OPERATING TEMPERATURE RANGE

0°C ~60 °C

OPERATING HUMIDITY RANGE

20%~90%

MAX POWER CONSUMPTION TRANSMITTER

3.5 Watts

MAX POWER CONSUMPTION RECEIVER

3 Watts

CONNECTIVITY

1 x HDMI (type A) 1 x RJ45 1 x 3.5mm Minijack (for IR pass-through) 1 x Phoenix (for Power)

POWER SUPPLY

100-240v 50/60Hz AC 5 volt / 2 amp

TRANSFORMER INTEGRATED INTO PLUG

INCLUDES INTERCHANGEABLE PLUGS

UK/EU/US/AU

DC TAIL LENGTH

1.8m

TRANSFORMER DIMENSIONS

66 x 43 x 32mm / 2.6" x 1.7" x 1.26"

TRANSMITTER

1 x IR Blaster with 1m (3.3 ft) Cable

RECEIVER

1x IR Receiver with 1m (3.3 ft) Cable

WARRANTY

Lifetime return-to-base

COMPLIANCES

RoHS, WEEE, CE/EMC, CE/EMC Report, IEC, FCC, FCC Report, RCM/DOC, RCM/EMC Report, RCM/LVD Report, IC

ORDER PART CODE: TX

TC-HDMIIPTX [EU SAP: 4234190 / US SAP: 12939504]

ORDER PART CODE: RX

TC-HDMIIPRX [EU SAP: 4235162 / US SAP: 12939505]

SPARE POWER SUPPLY UNIT (PSU)

TC2 P5V2A [EU SAP: 2940996/ US SAP: 13445529]

