VISION

TC-HDMIIP/V2 Digital Signage HDMI-over-IP

vav.link/tc-hdmiip-v2   TC-HDMIIP/V2

Distributes HDMI via a network

H.265 compression

One-to-One directly over a LAN or directly

One-to-Many over LAN

IR Pass-through

The TC-HDMIIP/V2 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.

The previous version of this product was bigger and used H.264 compression, but this new version uses much less bandwidth thanks to the H.265 compression and better quality HiSilicon chipset.

HDMI-over-IP Transmitter
TC-HDMIIPTX/V2   EU SAP: 6243779

HDMI-over-IP Receiver
TC-HDMIIPRX/V2   EU SAP: 6243780

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

HDMI Loop Through
You may need to connect a display to the computer too, so an HDMI output on the transmitter is included.

Advanced EDID Copy
A reset button restores EDID to default, or for advanced applications holding either of the reset buttons down will copy the display EDID to the transmitter.

One to Many
Need to display one source on many screens? This product multi-casts, so you can have one transmitter for the source, and over 100 x receivers can sit 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 150 m (492 ft) on a high quality cable.

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

Resolution
Fully HDCP 1.4 compliant, it supports resolutions up to 1920 x 1080 @ 60 Hz.

Audio
Digital audio which is 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 20-60 kHz IR signals.

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

H.265 Compression
Video is compressed using the H.265 protocol. 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. 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.

Auto Standby
If the input is shut off the display will be allowed to go to sleep.

SPECIFICATIONS

TC-HDMIIPTX/V2 HDMI-over-IP Transmitter

CHASSIS DIMENSIONS
88 x 61.2 x 16.5mm/ 3.46" x 2.41" x 0.65" (length x width x height)

PACKAGED DIMENSIONS
150 x 135 x 70mm/ 5.9" x 5.3" x 2.76"

PACKAGED WEIGHT
1.26 kg / 2.78 lbs (per Tx or Rx)

CHASSIS WEIGHT
0.15 kg / 0.34 lb

CONSTRUCTION MATERIAL
Metal

COLOUR
Black

LATENCY
<120 ms

COMPRESSION TYPE
H.265

CHIPSET
HiSilicon

CABLE
CAT5E/6 Shielded or Unshielded

HDMI VERSION
1.3 (3D not supported)

HDCP VERSION
1.4

MAXIMUM CABLE LENGTH
150m (492 ft)

MAXIMUM RESOLUTION
1920×1200 @60Hz

VIDEO BANDWIDTH
6.75 Gbps

COLOUR SPACE AND DEPTH
RGB, YCbCr 4:4:4, YCbCr 4:2:2 12-bit

HDMI AUDIO FORMATS
LPCM 2.0CH, 32 kHz, 44.1 kHz, 48 kHz

IR FREQUENCY
20 Hz ~ 60 kHz

ESD PROTECTION
Human body model —±8kV (Air-gap discharge) & ±4kV (Contact discharge)

OPERATING TEMPERATURE RANGE
10℃ - 50 ℃ / 14 °F - 122 °F

RELATIVE HUMIDITY
20~90% RH (non-condensing)

POWER CONSUMPTION
Transmitter: 1.5 Watts Receiver: 1.25 Watts

TRANSMITTER I/O
Input: 1 x HDMI (type A) Outputs: 1 x HDMI (type A) though 1 x RJ45 1 x 3.5mm Minijack (for IR blaster)

POWER SUPPLY
100-240v 50/60Hz AC 5 volt / 1 amp Transformer integrated into plug

INCLUDES INTERCHANGEABLE PLUGS
UK/EU/US/AU

DC TAIL LENGTH
1.5m (5 ft)

INTERCHANGEABLE PRONGS
Yes

POWER TRANSFORMER DIMENSIONS
41.3 x 40.2 x 28.4mm/ 1.63" x 1.58" x 1.12"

TRANSMITTER ACCESSORIES
1 x IR Blaster with 1.5 m (5 ft) Cable 1 x set of wall mounting ears

WARRANTY
Lifetime return-to-base

COMPLIANCES
RoHS, WEEE, CE/EMC, LVD, IEC, FCC, RCM, IC

TC-HDMIIPRX/V2 HDMI-over-IP Receiver

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