VIP-EXT-T300-1 UltraHD 4K HDMI & USB/KM over IP CAT/Fiber Extension System

TX

RX

The **VIP-EXT-T300-1** 4K HDMI & USB/KM over IP Extension System provides extension of Ultra HD/4K video, audio, RS-232, IR, and USB signal extension – point-to-point or over the network. The VIP-EXT-T300-1 supports cable distances up to 150 m., and doubles the range when used with a network switch (up to 300 m.). Implementing video extension over an IP network delivers added flexibility, allowing users to expand existing systems to support multi-signal distribution and matrix switching.

Key Features

- 4K@30Hz, 4:4:4
- Fiber or CAT transport – 1G port
- Extend signals up to to 300 m. using network switch
- HDCP 2.2 compliant
- Q-SYS™ integration via VIP-300-T300-QSYS driver
- 800Mbps max data rate; 250Mbps nominal
- Ultra-low latency (<17mS)
- Comprehensive diagnostics via front panel and API
- Control via web UI, front panel, IR remote, VPX Management Software, Crestron module
- API development for third-party control
- Supports instant switching
- Built-in video wall processing (up to 8×8)
- Built-in scaler on receiver (decoder)
- Image rotation 0, 90, 180 degrees
- IR and RS232 extension
- TCP/IP to RS232 conversion
- USB 2.0 for keyboard/mouse, camera, or hard drive
- HDMI loop-out on TX (encoder)
- PoE 802.3af (under 5W)
- Supports Dolby, DTS, and LPCM audio
- Matrix switching systems up to 999 sources and 65K displays
- TAA compliant
- Rack-mounting option available

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Performance

SUPPORTED DISTANCE	up to (150m) via CAT – TX direct to RX up to (300m) via CAT – TX to network switch to RX up to 37 miles (60km) via Fiber – TX direct to RX up to 74 miles (120km) via Fiber - TX to network switch to RX
SUPPORTED RESOLUTIONS	up to 4K@30Hz (4:4:4)
SUPPORTED AUDIO FORMATS	Up to 7.1 LPCM 192Khz Dolby True HD DTS-HD Master Audio ATMOS DTS:X
POWER CONSUMPTION	500mA (Typical, No USB Device)
POWER SUPPLY	DC 12V 1500mA
PoE (Power Over Ethernet)	802.3af
OPERATING TEMPERATURE	32° - 131° F (0° - 55° C)
RELATIVE HUMIDITY	95% NCH

Connections

INPUT TYPE(S)	TX: (1) HDMI Type-A RX: (1) CAT [RJ45], (2) USB 1.1 Type-A, (2) USB 2.0 Type-A, Fiber [SFP] (1G)
OUTPUT TYPE(S)	TX: (1) HDMI Type-A [loop-out],(1) CAT [RJ45]; (1) Fiber [SFP]; (1) USB [Type-B] - keyboard/mouse only RX: (1) HDMI [Type-A] w/lock thread
AUDIO INPUT TYPE(S)	TX: (1) Analog audio [3.5mm stereo]
AUDIO OUTPUT TYPE(S)	RX: (1) Analog audio [3.5mm stereo]
CONTROL PORTS	TX & RX: (1) RS-232 [DB9 Female], (1) IR [3.5mm]

Software

VPX SOFTWARE SUITE	Compatible

Enclosure

PRODUCT DIMENSIONS	TX: 8.2 x 4.8 x 1.5 in. RX: 6.5 x 4.0 x 1.5 in.
PRODUCT WEIGHT	TX: 1.5 lbs. RX: 1.1 lbs.

Warranty

WARRANTY	Limited Warranty (3-Years)