Distribute Ultra-HD 4Kx2K 60Hz 4:2:0 HDMI Video, Multi-channel Audio, and IR to four displays up to 230 feet using CAT6 cable

- Transmits an uncompressed HDMI signal over one CAT5e/6 cable to multiple display locations.
  - Extend Ultra-HD 4Kx2K 60Hz 4:2:0 to 230 feet.
  - Extend 1080p and 1920x1200 to 328 feet.
- Supports Ultra-HD 4Kx2K resolutions (4096x2160 and 3840x2160 @24/30/60Hz YUV 4:2:0), HDTV resolutions to 1080p, and computer resolutions to 1920x1200.
- HDMI features supported:
  - 4:2:0 YUV
  - Dolby TrueHD, DTS-HD Master Audio, Dolby Digital, DTS 7.1 and LPCM.
  - 3D
  - Bandwidth up to 10.2 Gbps
  - Support for CEC (consumer electronic control) compatible devices.
  - Lip Sync
- HDCP 2.2/1.4 compliant.
- Supports the DDC2B protocol.
- Full Infrared Remote (IR) control of HDMI source or display. IR transport channel can be forward or backward per the installation.
- Output1 supports RS232 and Ethernet pass through.
- Configurable built-in EDID table.
- Compact 1RU design. – mounting kit included.
- Ideal for digital signage, tradeshows, or classrooms where high quality video on multiple displays is needed.

The VOPEX® 4K HDMI HDBase-T Splitter/Extender simultaneously distributes uncompressed Ultra-HD 4Kx2K 60Hz 4:2:0 HDMI video, multi-channel audio, and IR from one video source to up to four displays and speakers, each located up to 230 feet away via CAT5e/6 cable using HDBase-T technology.

The VOPEX system consists of two components: the VOPEX-C64K10GB-4HDBT 4K HDMI HDBase-T broadcast unit, which connects to the HDMI source and also supplies video to a local display; and an ST-C64K10GB-R-HDBT receiver for each remote 4K HDMI display and speakers. The units are interconnected by CAT5e/6 cable.
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Specifications

Local Unit (VOPEX-C64K10GB-4HDBT)
- Compatible with computers and UHD video sources (satellite receivers, Blu-Ray players, etc) with HDMI video.
- Supports HDCP 2.2/1.4
- Video bandwidth: 10.2 Gbps
- One female HDMI connector for video source.
- One female HDMI connector for local display.
  - Supports Ultra-HD 4Kx2K resolutions to 4096x2160, HDTV resolutions to 1080p, and computer resolutions to 1920x1200.
    - 4Kx2K (4096x2160 and 3840x2160) @24Hz/30Hz/60Hz YUV 4:2:0.
- Eight female 3.5mm ports for IR transmitters and receivers.
  - IR transport channel is bi-directional – the transmitter or receiver can be connected to the switch.
  - IR frequency range: 38 to 56 kHz.
- Screw terminal for RS232.
  - Support full-duplex RS232 up to 115200 baud only when ST-C64K10GB-R-HDBT is connected to Output1
- Two female RJ45 100BaseT Ethernet ports for extending Ethernet connections to smart TVs. (Only supported on Output1)
  - Contact an NTI product consultant for information on compatible receiver.
- Four female RJ45 HDBase-T connectors for sending/receiving ultra-high definition video, audio, IR, and DDC signals.

Power
- Local unit (main and POC connectors):
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
  - Output: 12VDC, 3A
  - Power consumption: 15W
- Remote units: powered by local unit (VOPEX-C64K10GB-4HDBT)

Dimensions
- Local unit WxDxH (in): 12.01x6.50x1.57 (305x165.2x39.8 mm)
- Remote unit WxDxH (in): 4.13x2.80x0.98 (105x71x25 mm)

Environmental
- Operating temperature: 23 to 95°F (-5 to 35°C).
- Operating relative humidity: 5 to 90% non-condensing RH.

Regulatory Approvals
- CE, FCC, RoHS

Remote Unit (ST-C64K10GB-R-HDBT)
- Supports Ultra-HD 4Kx2K resolutions to 4096x2160, HDTV resolutions to 1080p, and computer resolutions to 1920x1200.
  - 4Kx2K (4096x2160 and 3840x2160) @24Hz/30Hz/60Hz YUV 4:2:0.
- One female HDMI connector.
- Two female 3.5mm ports for IR transmitter/receiver.
- Screw terminal for RS232.
  - Support full-duplex RS232 up to 115200 baud only when connected to Output1 on VOPEX-C64K10GB-4HDBT
- One female RJ45 HDBase-T connector for sending/receiving ultra-high definition video, audio, IR, DDC signals.
- Supports embedded digital audio through HDMI compatible TVs or audio receivers.

Max Distance
- 230 feet (70 meters) for Ultra-HD 4Kx2K 60Hz 4:2:0 over CAT5e/6 cable.
- 328 feet (100 meters) for 1080p and 1920x1200 over CAT5e/6 cable.

Cables
- Use HD-xx-MM cable to connect an HDMI source or display.
  - Maximum HDMI cable length:
    - 50 feet for resolutions up to 4K @ 30Hz
    - 25 feet for resolutions up to 4K @ 60Hz
- Use CAT5e/6 solid straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
- Cables not included.

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