

# 4K 18Gbps HDMI Splitter/Extender via CAT6/6a/7

VOPEX®

## Simultaneously distribute Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI Video, Audio, RS232, and IR to four displays up to 394 feet using CAT6 cable



- Transmits an uncompressed HDMI signal over one CAT6/6a/7 cable to multiple display locations.
  - Extend Ultra-HD 4Kx2K 60Hz 4:4:4 to 394 feet (120 meters).
  - Extend 1080p and 1920x1200 to 443 feet (135 meters).
  - Zero latency.
- Supports Ultra-HD 4Kx2K resolutions (4096x2160 and 3840x2160 @30/60Hz YUV 4:4:4), HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA).
- HDMI features supported:
  - HDMI 2.0 compliant.
  - Up to 36-bit Deep Color
  - LPCM, Dolby Digital, Dolby TrueHD, DTS-HD, and DTS
  - RGB, YCbCr 4:4:4, YCbCr 4:2:2, and YCbCr 4:2:0
  - Bandwidth up to 18 Gbps
  - 3D
  - HDR10
- HDCP 2.2/1.4 compliant.
- Supports the DDC2B protocol.
- Includes four receivers.
  - The receivers do not require a power supply.
- Full Infrared Remote (IR) control of HDMI source or display. IR transport channel can be forward or backward per the installation.
- RS232 for configuration and control, pass-through, and firmware updates.
  - Supports RS232 pass-through from transmitter to receiver or from receiver to transmitter.
  - Baud rate: 115200 bps
- Built-in EDID table.
- Cascade units together to send video simultaneously to many receivers.
- Mounting brackets included for easy surface/wall mounting.
- Ideal for digital signage, tradeshow, or classrooms where high quality video on multiple displays is needed.

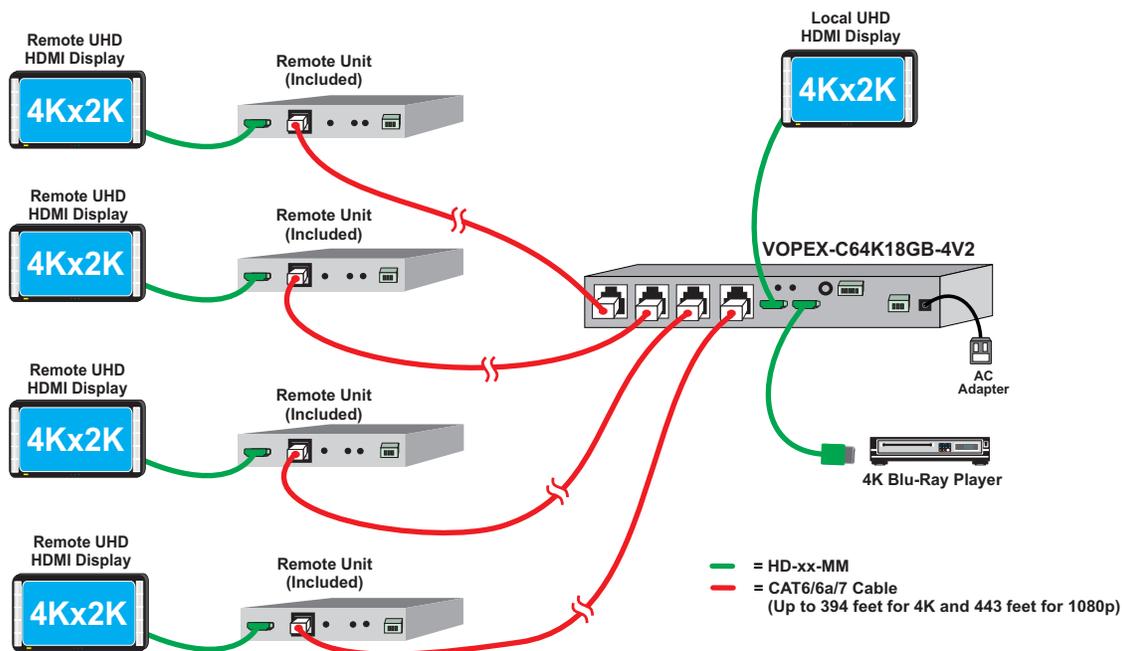


### VOPEX-C64K18GB-4V2 Local Unit (Back) and Four Remote Units (Included)

- Resolutions to Ultra-HD 4Kx2K 60Hz 4:4:4
- 18Gbps Bandwidth
- HDMI 2.0
- Zero Latency
- Four Receivers Included
- No Power Supply Required for Receivers

The VOPEX® 4K 18 Gbps HDMI Splitter/Extender simultaneously distributes uncompressed Ultra-HD 4Kx2K 60Hz 4:4:4 HDMI video, multi-channel audio, RS232, and IR from one video source to up to four displays and speakers, each located up to 394 feet away via CAT6/6a/7 cable.

The VOPEX-C64K18GB-4V2 system consists of a 4K HDMI broadcast unit, which connects to the HDMI source and also supplies video to a local display via the HDMI loop output; and four included receivers for each remote 4K HDMI display and speakers. The units are interconnected by CAT6/6a/7 cable.



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## Specifications

### Local Unit

- Compatible with computers and UHD video sources (satellite receivers, Blu-Ray players, etc) with HDMI video.
- One female HDMI connector for video source.
- One female HDMI connector for local display or for cascading to another VOPEX-C64K18GB-4V2.
  - Supports Ultra-HD 4Kx2K resolutions (4096x2160 and 3840x2160 @30/60Hz YUV 4:4:4), HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA).
- Two female 3.5mm ports for connecting an IR emitter and receiver (included).
- Screw terminal for RS232.
  - Supports full duplex RS232 at 115200 baud.
- One RCA jack for SPDIF digital audio output.
- Screw terminal for analog stereo audio output.
- Four female RJ45 connectors for sending/receiving ultra-high definition video, audio, IR, RS232, and DDC signals.
- Supports HDCP 2.2/1.4
- Video bandwidth: 18 Gbps

### Remote Unit

- One female HDMI connector for display.
  - Supports Ultra-HD 4Kx2K resolutions (4096x2160 and 3840x2160 @30/60Hz YUV 4:4:4), HDTV resolutions to 1080p, and up to 1920x1200 (WUXGA).
  - Supports embedded digital audio through HDMI compatible TVs or audio receivers.
- Two female 3.5mm ports for connecting an IR emitter and receiver (included).
- Screw terminal for RS232.
  - Supports full-duplex RS232 at 115200 baud.
- One female 3.5mm port for stereo audio output.
- One female RJ45 connector for sending/receiving ultra-high definition video, audio, IR, RS232, and DDC signals.
- Supports HDCP 2.2/1.4

### Power

- Local unit:
  - Input: 100 to 240 VAC at 50 or 60 Hz via AC adapter.
  - Output: 24VDC, 2.7A
  - Power consumption: 30W max
- Remote units: powered by local unit

### Dimensions

- Local unit WxDxH (in): 8.69x5.40x1.62 (221x137x41 mm)
- Remote unit WxDxH (in): 5.53x2.69x0.76 (140x68x19 mm)

### Environmental

- Operating temperature: 32 to 104°F (0 to 40°C).
- Storage temperature: -4 to 140°F (-20 to 60°C).
- Operating relative humidity: 20 to 90% non-condensing RH.

### Regulatory Approvals

- CE, FCC, RoHS

### Warranty

- Two years

### Max Distance

- 394 feet (120 meters) for Ultra-HD 4Kx2K 60Hz 4:4:4 over CAT6/6a/7 cable.
- 443 feet (135 meters) for 1080p and 1920x1200 over CAT6/6a/7 cable.

### Cables

- Interface cables between the video source/display and the transmitter/receiver are required for proper operation.
  - Supports cable lengths to 20 feet for 4K resolutions and lengths to 50 feet for 1080p@60Hz using passive HDMI cables.
- Use HD-xx-MM cable to connect an HDMI source or display.
- Use HD-ACT-xx-MM 4K HDMI Active Cables to connect a 4K@60Hz HDMI source and/or display up to 50 feet.
- Use USB3C-HD4K-xx-MM to connect a 4K@60Hz computer with USB Type C connector up to 10 feet.
- Use DVI-HD-xM-MM to connect a DVI computer up to 5 meters.
  - Supports resolutions to 1080p.
- Use CAT6/6a/7 solid or stranded straight through cable for TIA/EIA-568B wiring terminated with standard RJ45 connectors.
- Cables not included.

### Package Includes

- One 4-port 4K HDMI splitter
- Four 4K HDMI receivers
- Five IR emitters
- Five IR receivers
- Five 3-pin Phoenix connectors for RS232
- One 5-pin Phoenix connector for audio
- One power supply and country-specific line cord
- Mounting brackets