

## 4K Video Tiler & Scaler Switcher w/ HDBaseT & Click to Show-Me Controller

4K Presentation System with Click-to-Show me controller and Scaler



MPN: HDBT-VTSC72-4K

The KanexPro HDBT-VTSC72-4K is a 7-input, 2-mirrored (HDMI & HDBaseT) output presentation scaler- switcher engineered to upscale HDMI / DisplayPort and VGA devices such as laptops, Blu-ray players and desktops to a true 4K@30Hz resolution and creating a Quad Window experience in any collaboration space.

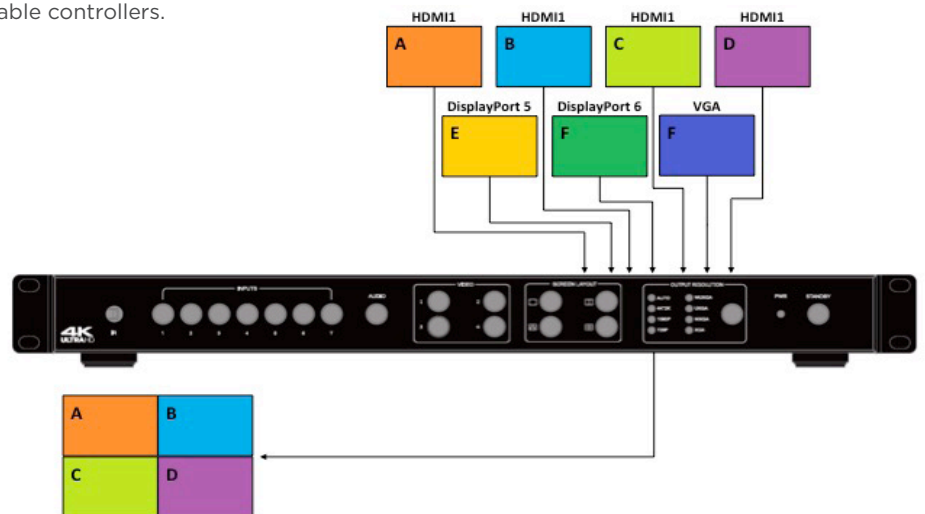
Inputs include 4 HDMI, 2 DisplayPort and 1 VGA with mirrored HDMI and HDBaseT output supporting distances over CAT6 up to 70 meters with PoC. Compliant with the latest HDCP2.2 specifications, this Quad-Viewer can also be controlled via RS-232 and TCP/IP. It supports native 4K inputs and outputs with audio de-embedder and breakaway audio switching to support unbalanced stereo. Ideally used in collaboration, meeting rooms, classrooms and video conferencing applications.

### FEATURES

- 4K Multiviewer Switcher with integrated switching
- “Click to show-me” using included HDMI cable controllers
- Elite 4K scaling engine to support up-scaling & down-scaling
- Supports Quad-View Windowing from 4 inputs
- Multiple Inputs: 4xHDMI, 2xDisplayPort, 1xRGB/YpPr
- Mirrored outputs: 1xHDMI & 1xHDBase-T with standard 48v PoC
- Supports HDMI, DisplayPort with input resolutions up to 3840x2160@30Hz
- Supports multiple HDMI output resolutions: 4Kx2K@30Hz & 1080p/60Hz
- Output scaler up to 3840x2160@30Hz
- Lets you independently select the source to be assigned on any viewer
- Incorporates DP 1.2a resolutions up to 3840x2160@60Hz
- Supports MHL inputs via HDMI
- Support auto-scaling by auto-detecting EDID from display to scale optimized resolution
- Provides Break away audio switch
- Audio embedding & De-embedding
- Support auto-selection of active HDMI audio (high priority) or external stereo audio
- Provisions unbalanced 7.1 analog audio or optical digital audio output
- Control via front panel buttons, IR, RS232 & LAN (Web)
- Easily integrates with any Video conferencing systems such as Polycom, Cisco, and Avaya
- Integrates with table or wall cable connection boxes in conference applications
- 1U rack mountable enclosure
- Mounting hardware included
- 3 -Year KanexPro Warranty

### APPLICATIONS

Designed for classrooms of the future, 4K themed conference rooms, control rooms, huddle rooms and other collaborative spaces wheredigital and analog devices need to be switched, scaled and shared on to large format 4K displays. And allowing participants to carry their own BYOD devices to be connected to a Quad-View environment using the Click-to-Show me cable controllers.



## TECHNICAL SPECIFICATIONS

SUPPORTED FORMATS	
Video Input Formats	1x VGA HD15 - RGB, H, V 4x HDMI 2x DisplayPort
Format Compliance	HDMI v1.4 DVI v1.0 DisplayPort v1.2 HDCP v1.4 HDBaseT Class A (Optional)
Video Output Formats	1x HDMI 1x HDBaseT Class A (Optional)
Supported Color Depth	8-bit / 10-bit / 12-bit
HDCP Compliance	HDCP 1.4
EDID Memory	Advanced EDID Management utilities
Audio Input Formats	HDMI and DisplayPort: embedded digital audio External analog stereo audio: 20 kΩ impedance
Audio Output Formats	HDMI: embedded digital audio 7.1 Surround sound (analog) audio: 20 kΩ impedance TOSLINK: Digital Optical Audio
Audio Bandwidth	20 Hz to 20 kHz
Audio Sampling Rate	48 kHz, 8CH, LPCM
Audio Levels	Stereo Audio: unity, nominal Stereo Audio: 0.5 - 1.0 Vpp
Audio Delay Adjustment	User-adjustable from 0 - 400ms in increments of 40ms
INPUTS CONNECTORS	
HDMI / DVI Input	4x HDMI 19-pin female connectors
DisplayPort Input	2x 20-pin DisplayPort female connectors with locking mechanism
Analog RGB Input	1x HD15 (VGA) female connector
Analog Audio Input	7x Stereo Audio on 3.5mm PC audio female connectors
Power Input	1x IEC C14 power connector
OUTPUTS CONNECTORS	
HDMI Output	1x HDMI 19-pin female connector
HDBaseT Output (Optional)	1x Shielded CAT-6A connector
Digital Audio Output	1x TOSLINK Optical female connector
Analog Audio Output	7.1 Surround sound (analog) audio on 4x 3.5mm PC audio female connectors
SCALING & PROCESSING	
Phase Lock Loops	12-bit, Triple-Analog-to-Digital Converter
De-Interlacing	3D Motion-Adaptive De-Interlacing
Pull-Down	Automatic 3:2 pull-down and 2:2 pull-down detection and recovery
Noise Reduction	3D
Display Settings	Output Resolution, Window Layout, Video Input Position, Aspect Ratio, VGA Auto Adjust
Window Layout (optional)	Preset up to 16 different layouts under quad viewer
CONTROL	
Front Panel	18x Backlit Buttons
IR Remote Control	IR Remote Control with 19x buttons for control
RS-232	Serial communication, 9-pin D-sub connector
Ethernet	Web-based GUI or Telnet

MECHANICAL	
Dimensions (H x W x D)	Without Feet or Rack Ears: 1.7" x 17.3" x 11.0" (0.044m x 0.439m x 0.279m) With Feet: H = 2.0" (0.050m) With Rack Ears: W = 19.0" (0.482m)
Weight	7.3 lbs. (3.3 kg)
Construction	1mm metal enclosure with matte black finish 10mm aluminum alloy front panel with draw black finish
Mounting Options	Mountable Rack Ears, 1U full width
ENVIRONMENTAL	
Operating Temperature	+32° to +104° F (0° to +40° C)
Storage Temperature	-4° to +140° F (-20° to +60° C);
Humidity (Storage / Operating)	20% to 90% (non-condensing)
POWER	
AC Power	Input: 100-240VAC / 50-60Hz
Power Consumption	15 Watts (max.)
Power Over HDBaseT (POH)	Optional HDBaseT Output functions as a PSE Type 1 device (13 watts)
INCLUDED ACCESSORIES	
1x External AC Power Cord, 1x IR Remote Control Unit, 1x User Guide, 2x Rack Mount Ears	