

## 6-Input Collaboration Switcher & Scaler

Switch & Scale Six inputs to one 4K Display

MPN: HDSC61D-4K



The **KanexPro HDSC61D-4K** is a six input to one output 4K/60Hz switcher consisting of 3-HDMI, one USB-C, one DisplayPort and one VGA input to one HDMI output. These inputs can be auto-switched from various HDMI, USB-C based laptops, iPads and other computing devices to one 4Kx2K display offering HDR, 4:4:4 sampling.

### Multi-channel Audio and De-embedding

The switcher supports stereo and multichannel audio on the HDMI inputs. HDMI output stream provides audio de-embedding via phoenix connectors and optical port, the audio is simultaneously de-embedded to an optical digital audio output and a balanced analog audio output.

### Applications

Designed for classrooms, conference rooms, huddle rooms and other collaboration spaces where digital and analog sources need to be switched and scaled in a fast and reliable manner.

## FEATURES

- Six input to one output 4K/60 auto-switcher with audio extractor
- 3x HDMI, 1xUSB-C, 1xDisplayPort, 1xVGA input with 1xHDMI output
- Supports HDMI 2.0 specs and video resolution up to 4K@60Hz 4:4:4 8bit
- HDR ready with 18Gbps high bandwidth
- HDCP 2.2 compliant
- CEC control for display ON/OFF right from the front panel buttons
- Controllable via built-in Web GUI, IR, front-panel, & RS-232C
- VGA resolution is selectable on the front panel
- Optical and balanced analog audio for audio de-embedding
- Supported Audio formats over HDMI: LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: X™, and DTS-HD® Master Audio™ pass-through
- Smart EDID DIP switch with up to 4 - user defined settings
- Locking HDMI & power supplies
- Slim fit for discreet placement under lecterns, desks and classrooms
- USB port for firmware update
- Includes mounting kit

**Note:** The scaling function will only work on VGA source devices from the input side and will not handle any upscaling from HDMI,DP or USB-C inputs.

## SPECIFICATIONS

### Video:

- Video Input: (2) HDMI/MHL, (1) HDMI, (1) USB-C, (1) DP, (1) VGA
- Video Input Connector: (3) Type-A female HDMI, (1) Type-C USB 3.0 (1) DisplayPort, (1) 15-pin female VGA
- HDMI Input Resolution: Up to 4Kx2K@60Hz 4:4:4 8bit
- MHL Input Resolution: Up to 1080p@60Hz
- USB-C Input Resolution: Up to 4Kx2K@30Hz
- DP Input Resolution: Up to 4Kx2K@60Hz 4:4:4 8bit

- VGA Input Resolution: Up to 1920x1200@50/60Hz
- Video Output: (1) HDMI
- Video Output Connector: (1) Type-A female HDMI
- HDMI Output Resolution: Up to 4Kx2K@60Hz 4:4:4 8bit
- HDMI Version: 2.0
- HDCP Version: 2.2
- MHL Version: 2.2
- DP Version: 1.2
- Supported: HDR 10, CEC, HPD

### Audio:

- Audio Output: (1) OPTICAL, (1) Stereo Balanced L/R
- Audio Output Connector: (1) Toslink connector, (1) 5-pin terminal block
- HDMI Audio Format: LPCM 7.1 audio, Dolby Atmos®, Dolby® TrueHD, Dolby Digital® Plus, DTS: X™, and DTS-HD® Master Audio™ pass-through.
- DP Audio Format: 8 channels LPCM, up to 24bit 192Khz, AC3, DTS
- Stereo analog L/R audio Format: PCM
- Toslink Digital Audio Format: PCM, Dolby

- Digital, DTS, DTS-HD
- Max Output Level: 2.0Vrms 3 0.5dB. 2V = 16dB headroom above -10dBV (316mV) nominal consumer line level signal
- THD+N: < 0.05% (-80dB), 20Hz - 20KHz
- bandwidth, 1KHz sine at OdBFS level (or max level)
- SNR: > 80dB, 20Hz - 20KHz bandwidth
- Crosstalk Isolation: > 70dB, 10KHz sine at OdBFS level (or max level before clipping)
- L-R Level Deviation: > 0.3dB, 1KHz sine at OdBFS level (or max level before clipping)

### Control Part:

- Control: (1) Firmware, (1) EDID, (1) IR IN, (1) RS232, (1) TCP/IP
- Control Connector: (1) Micro-USB, (1) 4-pin DIP switch, (1) 3.5mm mini jack, (1) 3-pin terminal block, (1) RJ45

### General:

- HDMI 2.0 Cable Length: 4K@60Hz 4:4:4 = 5m, 4K@60Hz 4:2:0 = 10m, 1080p = 15m
- Bandwidth: 18Gbps
- Operation Temperature: -10°C+55°C
- Storage Temperature: -25°C+70°C
- Relative Humidity: 10%
- External Power Supply: Input: AC 100-240V, 50/60Hz, Output: 12V DC 2A
- Power Consumption: 10W (Max)
- Dimension (W\*H\*D"): 13.4"x1.0"x4.5"
- Net Weight: 1.36lbs (620g)

# APPLICATION DIAGRAM

