

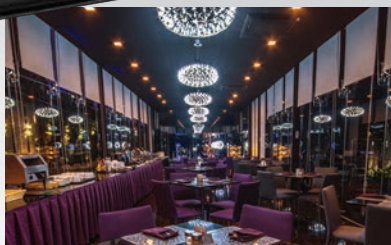
KanexPro®

COMMERCIAL A/V SOLUTIONS

2018 v1



HEALTHCARE



HOSPITALITY



GOVERNMENT



DIGITAL SIGNAGE

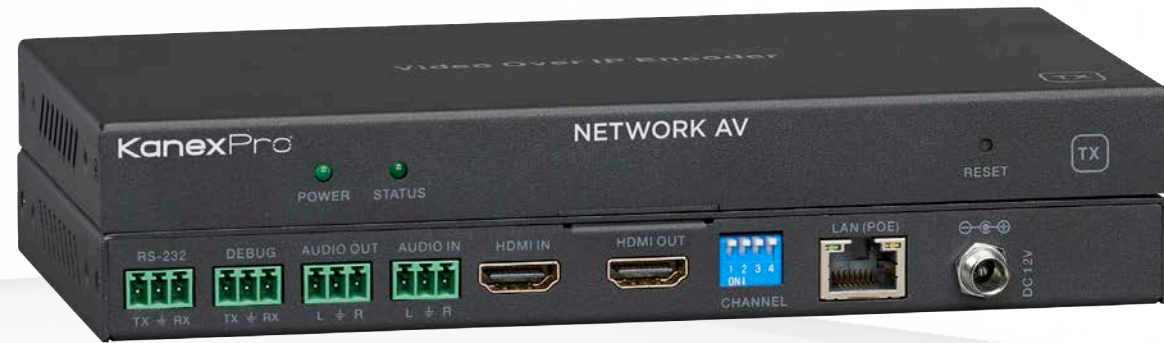
KanexPro is an industry-leading provider of connectivity solutions to A/V markets. We provide integrators access to top A/V connectivity products that empower the ability to broadcast, extend, split, or multiply HD signal transmissions simply and cost-effectively in any installation environment anywhere in the world.



NEW Extenders NETWORKAV, 4K & HDBaseT	4
NEW MultiView 4K Video Wall & Processors	12
NEW Switchers 3, 5, 6, 7 & 9-Input Switchers & Scalers 4K Flexible Modular Matrix & HDBaseT 4K, HDMI 2.0 & Matrix	14
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EXTENDERS

NETWORK AV™



“Our Network AV™ over IP based solutions are super-low latency encoders & decoders designed to extend one-to-one, one-to-many or many to many creating a matrix of multiple sources to multiple displays over a standard Ethernet Switch supporting distances up to 100 meters with PoE and central control via Web GUI”.



HDMI® PoE

NEW H.264 HDMI® Encoder & Decoder over IP w/ POE & RS-232

MPN: EXT-NETAVKIT

- Encode & Decode AV over IP up to 330ft. (100m)
- Support for Videowall & Multiview
- Unicast, Multicast, Matrix, Video Wall and Multi-viewer (up to 5 windows)
- Unlimited scalability (based on network topology)
- Low 1.5 frames per second latency
- Video resolution up to 1080p/60Hz (4:4:4)
- Supports Audio Embedding on the encoder
- Supports Audio De-embedding on the decoder
- Works with 1G standard IP switch

NEW HDMI® Video Over IP Encoder - 100m

MPN: EXT-NETAVTX

- Encode AV over IP up to 330ft. (100m)
- Support for Videowall & Multiview
- Built-in GUI control for AV switching
- Unicast, Multicast, Matrix, Video Wall and Multi-viewer (up to 5 windows)
- Unlimited scalability (based on network topology)
- Low 1.5 frames per second latency
- Video resolution up to 1080p/60Hz (4:4:4)
- Supports Audio Embedding on the encoder
- Works with 1G standard IP switch
- POE enabled



HDMI® PoE

NEW HDMI® Video Over IP Encoder - 100m

MPN: EXT-NETAVRX

- Decode AV over IP up to 330ft. (100m)
- Support for Videowall & Multiview
- Built-in GUI control for AV switching
- Unicast, Multicast, Matrix, Video Wall and Multi-viewer (up to 5 windows)
- Unlimited scalability (based on network topology)
- Low 1.5 frames per second latency
- Video resolution up to 1080p/60Hz (4:4:4)
- Supports Audio embedding on the decoder
- Works with 1G standard IP switch
- POE enabled



HDMI® PoE

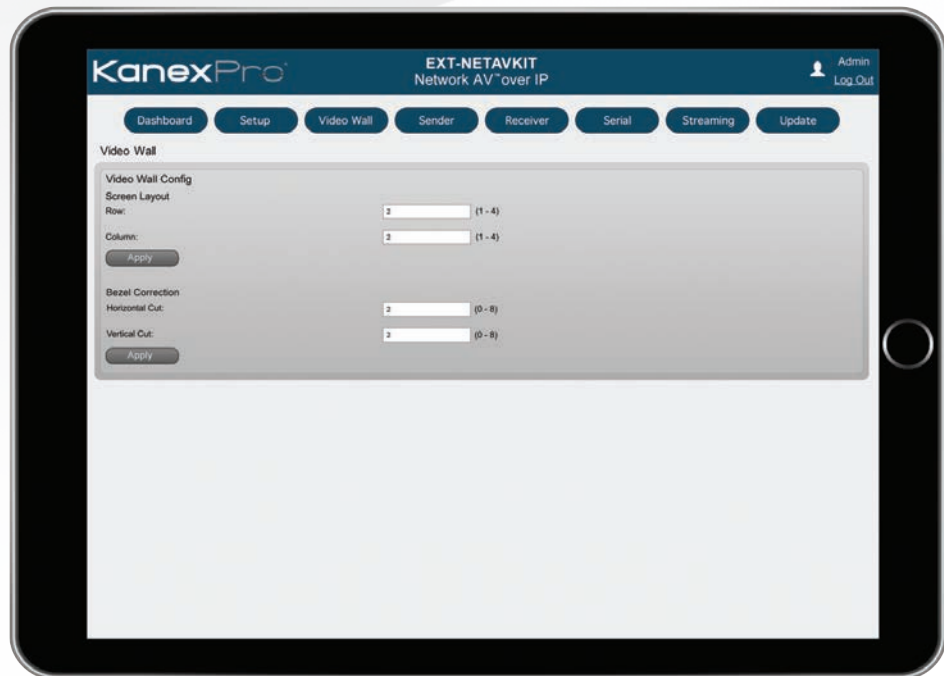
NETWORKAV APPLICATION & WEB GUI

Showcasing the latest central controller and how it works connecting AV sources to multiple AV displays using encoders and decoders. The software is built-in to the encoder for easy set-up and controlling



Easy to Configuration

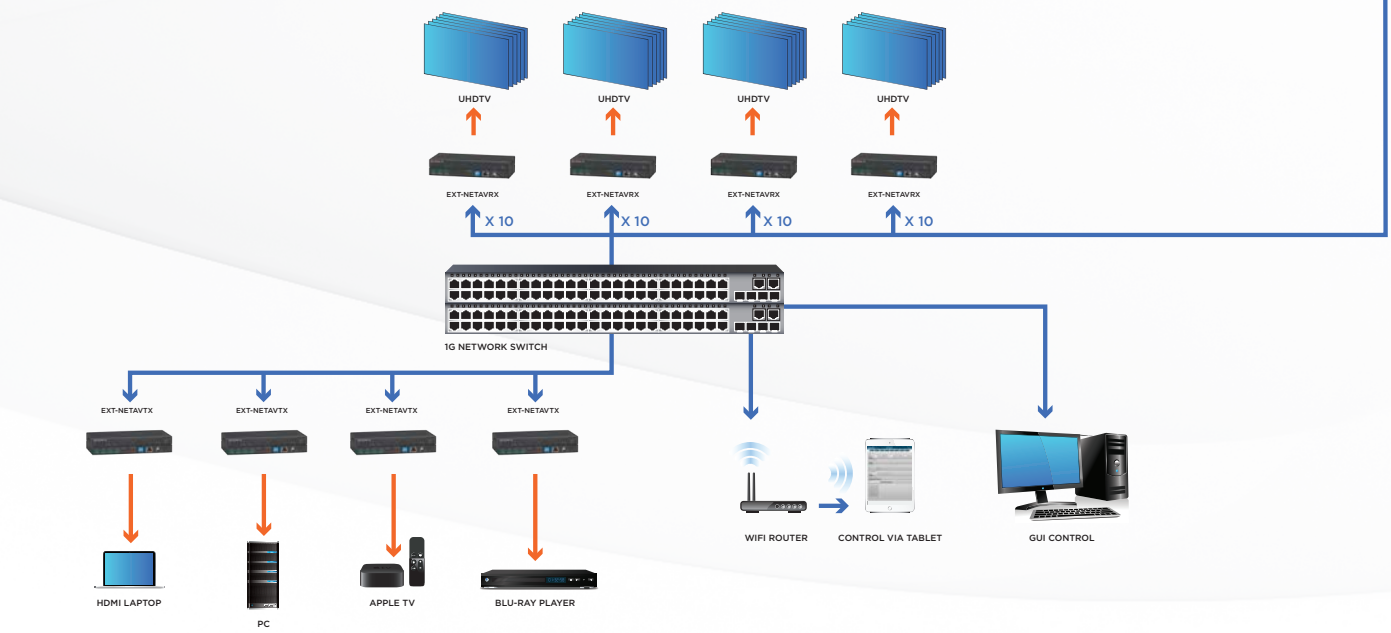
- Centralized dashboard for all program activities
- App enabled control
- Works on laptops, PC's & tablets
- Streaming function for IP based cameras
- Custom presets
- Secured log in



Simple Switching

- Actively scans for devices when connected
- Just drag n drop switching mechanism
- Custom labeling for sources / displays
- Videowall, Unicast & Multicast function
- Pre-defined Video wall layouts

NETWORKAV APPLICATION & WEB GUI



EXTENDERS

NETWORK AV™

H.264 HDMI® Encoder & Decoder over IP w/ POE & RS-232

MPN: EXT-AVIPH264TX
MPN: EXT-AVIPH264RX

- Encode and extend pure 1080p resolutions up to 394' / 120 meters
- Features real-time AV coding and decoding to broadcast 1080p
- H.264 Compression technology
- Can be used with DVI connection
- Supports one to many, many to many and point to point broadcasting
- Dual power input: 802.3af compliant w/ POE & DC 5V
- (No need power supply when connecting with POE Switch)
- Can be cascaded to multiple AV over IP Extenders
- Support LPCM audio format



HDMI® Video Over IP Encoder - Decoder Kit - 120m

MPN: EXT-AVIP120M

- HDMI AV over IP set
- Extends 1080p HDMI signals up to 120m over a single UTP CATx cable
- Control via IR (Kit included)
- Cascaded to many layers by adding 10G or more Ethernet switches
- Wideband IR (38-56kHz) control to the source
- HDCP compliant
- Supports TCP/IP protocol
- Metal enclosure built with mounting ears
- 5 V DC power supplies included



HDMI® Video Over IP Decoder - 120m

MPN: EXT-AVIP120MRX

- AV over IP Decoder only
- Extends 1080p HDMI signals up to 120m over a single UTP CATx cable
- Control via IR (Kit included)
- Cascaded to many layers by adding 10G or more Ethernet switches
- Wideband IR (38-56kHz) control to the source
- HDCP compliant
- Supports TCP/IP protocol
- Metal enclosure built with mounting ears
- 5 V DC power supplies include



EXTENDERS

HDBASET™

HDMI® 150m Extender over HDBaseT™ w/ loop out

MPN: EXT-HDBT150M

- Compact 150m HDMI extender over CAT6
- Extends up to 492ft. (150m) with full HD 1080p/60
- Local HDMI loop out on Tx (sender)
- Bi-directional PoE (Power over Ethernet)
- HDCP 1.4 & EDID compliant
- IR input/output - embedded over CATx extension
- Dolby TrueHD & DTS Master Audio support



NEW Single Gang HDMI® Wall plate over HDBaseT™ w/ IR, RS-232 & PoC

MPN: EXT-WALL1HDBTX

- Single Gang, 1-HDMI input Wall plate over HDBaseT
- Extend 4K/60 w/ 4:4:4 up to 40 meters (130ft.)
- Extend 1080p/60 w/ 4:4:4 up to 70 meters (230 ft.)
- Supports the latest HDMI 2.0 Specs with 18 Gbps
- HDCP 2.2 /1.4 Compliant
- Bi-directional IR & RS-232C
- Remote power support thru PoC



* Receiver is sold separately
MPN: EXT-HBT70C



EXTENDERS

HDBASET™ UP TO 150 METERS



HDBaseT® extenders are for whole-home and commercial distribution of uncompressed 4 UHD multimedia content over a single CAT6 cable. Delivering up to 330 feet (100 meters) with Power over Ethernet, digital audio, data and various control signals.

Professional HDMI® KVM Extender over HDBaseT™ 2.0 with 4K/60Hz

MPN: EXT-HDBTKVM100

- Extend USB, 4K UHD video & audio up to 150 meters over HDBaseT
- USB KVM function supporting USB 2.0
- Distribute 4Kx2K@30Hz & 60Hz signals
- Supports standard 1080p & WUXGA
- Bi-directional power via PoH from Tx to Rx or vice versa
- HDCP 2.2 compliant
- CEC Pass-thru



HDCP 2.2 PoE HDBT™ HDMI® 4K ULTRA-HD

NEW UltraSlim 4K/60 HDMI® 2.0 Extender over HDBaseT™ up to 330ft & PoH

MPN: EXT-100SL18G

- Ultra Slim 330ft. (100m) HDMI extender over HDBaseT w/ PoH
- Extend up to 70m for 4K/60 video w/ 4:4:4 Chroma
- HDR (high dynamic range) & wider color gamut support
- Supports Ultra HD 4K@60Hz resolutions &
- Video resolutions from 1080p/60@48bit
- Integrates 2-Ethernet ports for LAN
- 18 Gbps bandwidth
- Bi-directional PoH (power over HDBaseT)
- HDCP 2.2 and EDID compliant



HDBT™ HDCP 2.2 HDMI® 4K HDR 18 Gbps PoE

NEW UltraSlim 4K/60 HDMI® 2.0 Extender over HDBaseT™ up to 230ft & PoH

MPN: EXT-70SL18G

- Ultra Slim 230ft. (70m) HDMI extender over HDBaseT w/ PoH
- Extend up to 70m for 4K/60 video w/ 4:4:4 Chroma
- HDR (high dynamic range) & wider color gamut support
- Supports Ultra HD 4K@60Hz resolutions &
- Video resolutions from 1080p/60@48bit
- 18 Gbps bandwidth
- Bi-directional PoH (power over HDBaseT)
- HDCP 2.2 and EDID compliant



HDBT™ HDCP 2.2 HDMI® 4K HDR 18 Gbps PoE

UltraSlim 4K/30 HDMI® Transmitter over HDBaseT™- 230ft. (70m)

MPN: EXT-HDBT70MTX

- UltraSlim point-to-point HDMI Transmitter over HDBaseT
- Extend full HD 1080p up to 70m
- Extend 4K/30 up to 40m
- Supports Ultra HD 4K@30Hz resolutions &
- Video resolutions from 1080p/60@48bit
- Bi-directional PoH (power over HDBaseT)
- HDCP 2.2 and EDID compliant



HDBT™ PoE HDMI® 4K ULTRA-HD

UltraSlim 4K/60 HDMI® Receiver over HDBaseT™- 230ft. (70m)

MPN: EXT-HDBT70MRX

- UltraSlim point-to-point HDMI Receiver over HDBaseT
- Extend full HD 1080p up to 70m
- Extend 4K/60 up to 40m
- Supports Ultra HD 4K@24/30/60 Hz resolutions &
- PC resolutions from 1080p/60@48bit
- 4K/60Hz w/ 4:2:0
- Bi-directional PoH (power over HDBaseT)
- Bi-directional RS-232 & IR control
- HDCP 2.2 and EDID compliant



HDBT™ PoE HDMI® 4K ULTRA-HD

4K HDMI® & VGA Wall Plate Transmitter Over HDBaseT™

MPN: WP-HDBASETX

- Transmits HDMI or VGA, control, & audio up to 200 ft. over CAT6
- Auto-switching between inputs
- Video resolutions up to 1920x1200, including 1080p/60 and 4K
- Remote power support through PoE
- HDCP & EDID compliant
- RS-232 for control
- Requires EXT-HDBT70MRX Receiver



HDBT™ PoE HDMI® 4K ULTRA-HD

Multi-View

VIDEO PROCESSORS

A range of solutions designed to connect video sources to create multi-viewer experience, or displays tiled form one large screen”.

NEW 1x4 HDMI® 4K UHD Video Wall Processor with Bezel Correction

MPN: VW-SPIX44K

- Can be cascaded to create up to multiple video walls
- Can also be used as a 1x4 DA (splitter)
- Supports 4K x 2K@24/25/30Hz
- HDCP compliant
- Control via RS-232 & Telnet (Ethernet)



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

MPN: HDBT-VTSC724K

MPN: HD-VTSC724K (HDMI OUTPUT ONLY)

- 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



3-Input DisplayPort HDMI® & VGA Collaboration Switcher Scaler over HDBaseT™

MPN: HDSC31D4K (Transmitter & Receiver Set)

- 3-input Collaboration Auto - Switcher & Scaler w/ HDBaseT
- Reliable switching with selectable output resolutions up to 4K UHD
- Extend 3-inputs via HDBaseT up to 230 feet (70m)
- Send 4K UHD - 24/30Hz signals up to 115 feet (35 meters)
- 40 meters: 1080p @60Hz@48bit; 1080p@120Hz@24bit
- 70 meters: 1080p@60Hz@36bit; 3D1080p@30Hz36bit



SWITCHERS

PRESENTATION SCALERS



Presentation Scalers provide optimum upscaling and downscaling of various video formats using a high performance scaling engine to broadcast the best possible video signal without any attenuation or pixilation.

NEW 9-Input Scaler & Switcher with 4K HDBaseT Input/ Output

MPN: SW-HDSC914K

- Auto switch & scale 9-inputs to two 4K displays
- DP, HDMI and VGA video inputs can be embedded with external audio
- Output resolutions selectable to: 1280x720(default), 1920x1080, 1024x768, 3840x2160@30Hz & 3840x2160@60Hz
- HDBaseT Input resolutions: 1080p (70m), 4Kx2K(40m)
- HDBaseT Output resolutions: 1080p(100m), 4Kx2K (70m)
- Compliant with HDMI 2.0 & HDCP 2.2
- Built in 40 Watt amplifier for speaker systems
- Built-in volume control



HDBaseT™ Seamless Presentation Switcher & Scaler w/ 5 inputs

MPN: SW-HDSC51HDBT

- Seamlessly switch & scale 5-video inputs to 2-outputs using HDBaseT & HDMI
- Auto-switching enabled
- HDBaseT output extends CAT5e/6 distance up to 230 feet (70 meters)
- Includes HDBaseT receiver w/ PoH support
- Built-in Audio De-embedder for HDMI & VGA inputs
- Selectable output resolutions supported: 1920x1200, 1920x1080, 1600x1200, 1360x768, 1280x800, 1280x720, 1024x768
- HDCP 2.2 compliant & CEC



LARGE SCALE A/V SWITCHERS

FLEXIBLE MODULAR MATRIX



HDCP 2.2 HDMI® 4K ULTRA-HD CHDBT™ PoC

Flexible A/V Matrix allows seamless switching with un-matched 4K resolutions and control via web GUI. Ideal for command and control centers, large A/V conference rooms for up-to-second viewing of critical information and high-resolution imagery.

Flexible 16 Input/Output Seamless Matrix Switcher

FLEX-MMX12
FLEX-MMX16
FLEX-MMX32

- Flexible Matrix Switcher with 12,16 & 32 PCIe I/O's
- Seamless AV switching
- Supports video resolutions up to 4K, 1080p & WUXGA
- VGA, DVI, SDI, HDMI & HDBaseT card compatibility
- PoH HDBaseT inputs & outputs
- Auto-sensing of input or output signals

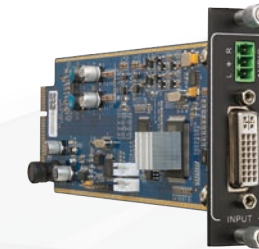


PoE CHDBT™ HDMI® PoC

LARGE SCALE A/V SWITCHER MODULES

FLEXIBLE MODULAR MATRIX MODULES

KanexPro Flex-MMX single I/O cards supports seamless switching and scaling when used with our Flexible Matrix Series providing resolutions up to 4K, 1080p & WUXGA and audio.



1-Input DVI
MPN: FLEX-IN-DVI



1-Input HDMI 4K
MPN: FLEX-IN-HD4K



1-Input SDI
MPN: FLEX-IN-SDI



1-Input HDBaseT 4K
MPN: FLEX-IN-HDBT4K



1-Input VGA
MPN: FLEX-IN-VGA



1-Output DVI
MPN: FLEX-OUT-DVI



1-Output HDMI 4K
MPN: FLEX-OUT-HD4K



1-Output HDBaseT 4K
MPN: FLEX-OUT-HDBT4K



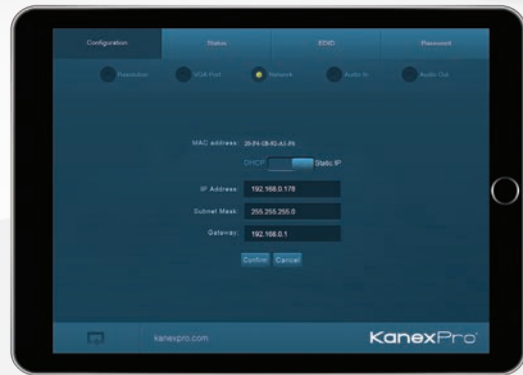
1-Output VGA
MPN: FLEX-OUT-VGA

* 1080p, HDMI & HDBaseT cards are also available. Please check kanexpro.com/switchers/matrix-modules/

LARGE SCALE A/V SWITCHERS

FLEXIBLE MODULAR MATRIX GUI

The FLEX-MMX Series switchers can be controlled using a secure built-in web interface. The user-friendly UI allows for easy set-up, control switching, and custom labeling.



Simple Configuration

- Controllable through PCs, Laptops, and Tablets
- Smart EDID Management
- Secured Login



Control Switching

- Auto Detect Active Inputs and Outputs
- Seamless Switching

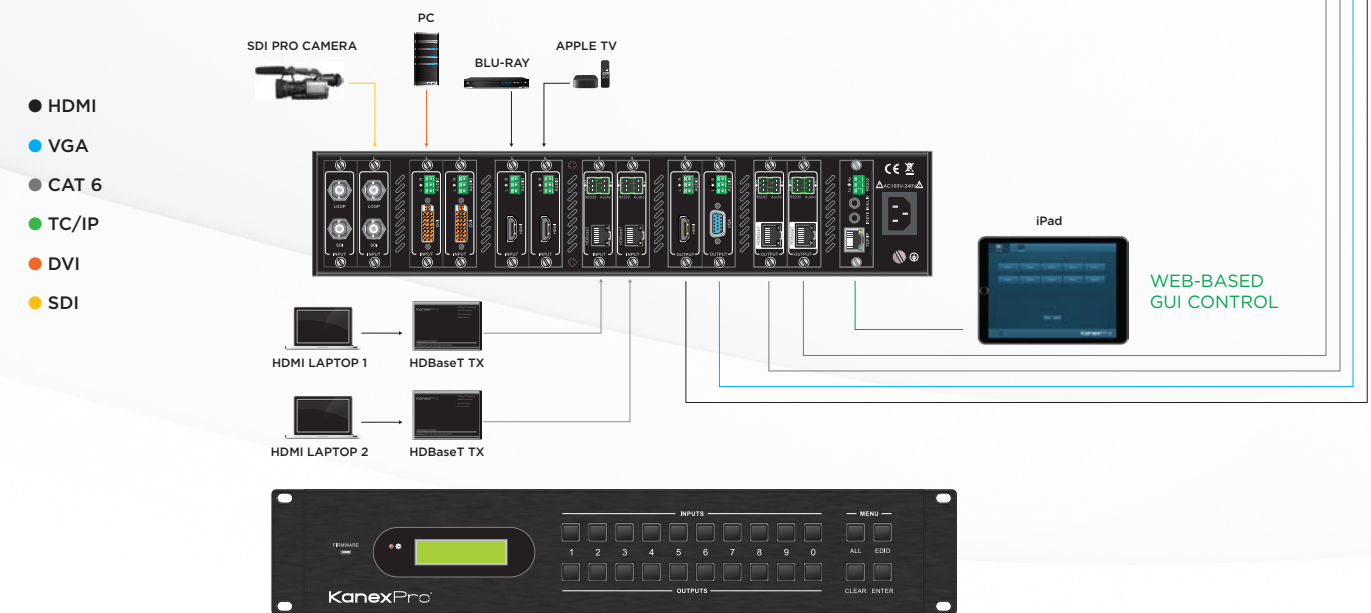
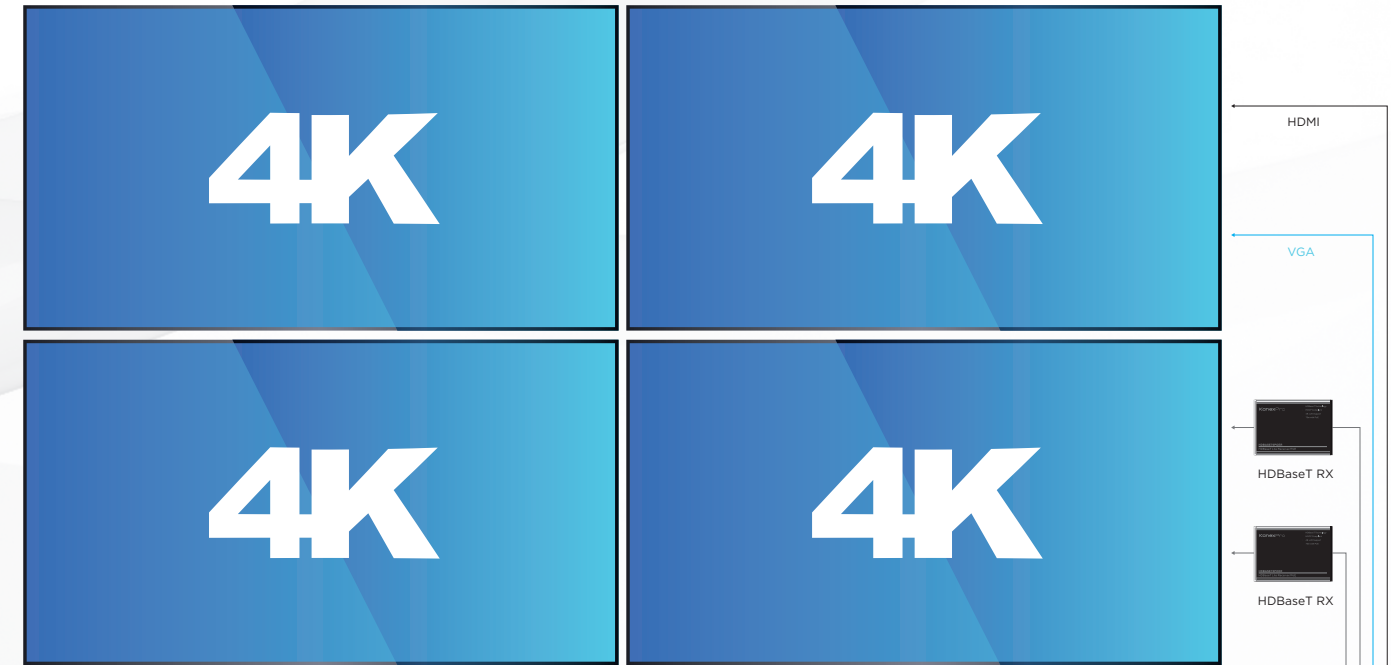


Custom Presets

- Multiple Preset Layouts
- Customized Labeling

LARGE SCALE A/V SWITCHERS

FLEXIBLE MODULAR MATRIX APPLICATION



SWITCHERS

HDMI 2.0 MATRIX



KanexPro introduces the latest HDMI 2.0 Switchers with full 18Gbps, HDCP 2.2 specifications engineered to work with the latest 4K UHD displays and source devices.

NEW Ultra-Fast 4x4 HDMI® Matrix Switcher with 4K/60Hz

MPN: HDMX44-18G

- Cross-switch 4 HDMI devices to 4 HDMI displays in 4K@60Hz
- Distribute 4Kx2K@60Hz signal up to 5m over HDMI (max.)
- 4K & UHD TV resolutions up to 3840x2160@60 Hz (YUV 4:4:4, 8-bit)
- True4K @ 4096x2160@60Hz (YUV 4:4:4, 8-bit)
- Supports Dolby Vision & HDR pass-thru
- Supports 48-bit Deep Color up to 1080p/60
- Supports LPCM 7.1 pass-thru bit stream



NEW 4x2 HDMI® 4K/60 Matrix Switcher w/ HDR & EDID Management

MPN: HDMX42-18G

- Switch 4 HDMI devices to 2 Displays with 4K/60 + HDR & 4:4:4
- Supports the matrix routing of four 18Gbps HDMI inputs to two 18Gbps HDMI outputs
- Supports resolutions up to 4096x2160@60Hz (4:4:4, 8-bit)
- HDMI 2.0 and DVI 1.0 compliant
- HDCP 1.4 and 2.2 compliant
- Maximum data rate up to 18Gbps with Deep Color support up to 16-bit at 1080p



SWITCHERS

HDMI BASIC SWITCHERS



Perfect for home theater and smaller conference rooms offering four HDMI inputs to one or more with IR & RS-232 control.

UltraSlim 4K HDMI® 4x1 Switcher with De-embedded Audio

MPN: SW-4X1SL18G

- UltraSlim 4K HDMI 4x1 switcher with Audio Extractor & ARC
- Supports YUC 4:4:4 color space w/ HDR
- Supports 3.5mm stereo Audio with ARC
- Incredibly thin design - only 0.4" (11 mm) thick
- Supports UHD 4K/60Hz resolutions
- High-bandwidth 18 Gbps
- Transmits 4K up to 10m (32ft.)
- HDMI supports ARC (Audio Return Channel)
- HDCP 2.2 compliant



NEW 4x4 HDMI® 4K/60 Matrix Switcher

MPN: SW-HDMX44CE

- Cross switch 4-HDMI sources to 4-HDMI displays with 4K/60Hz
- Supports sampling rate of 4:2:0, including 1080p & 3D video
- Fully compliant with the HDMI 1.4 and HDCP 2.2 specifications
- Smart EDID management to match the connected displays
- Includes IR kit & Remote



SWITCHERS

HDBaseT™ MATRIX



4K/60 HDBaseT™ 4x4 Matrix Switcher

MPN: MX-HDBASE4X4-4K

- Ultra-fast 4x4 switching with instant display
- Distribute four HDBaseT outputs up to 70m at 1080p & 35m at 4Kx2K on a single CAT5e/6 cable
- Supports power over Ethernet (PoE) to all four receivers
- Two HDMI mirrored outputs for local monitor support
- Deep color support up to 16 bit
- RGB/YCbCr 4:4:4, YCbCr: 4:2:2, 4K/30Hz
- Illuminated buttons w/ Front panel LCD
- **Optional HDBASE70POER Receiver Required**



HDCP 2.2 CHDBT™ HDMI® 4K ULTRA HD PoC

4K/60 HDBaseT™ 8X8 Matrix Switcher

MPN: MX-HDBASE8X8-4K

- Cross-Switch 8 HDMI inputs to 8 HDBaseT outputs
- Delivers Stunning 4K/60 resolutions
- Each run on single CAT6 supporting up to 230 feet (70m)
- Locking HDMI connectors
- Signal re-clocking & equalizer built-in
- Advanced HDCP & EDID management
- Control via RS-232 & Ethernet
- **Optional HDBASE70POER Receiver Required**



CHDBT™ HDMI® 4K ULTRA HD PoC

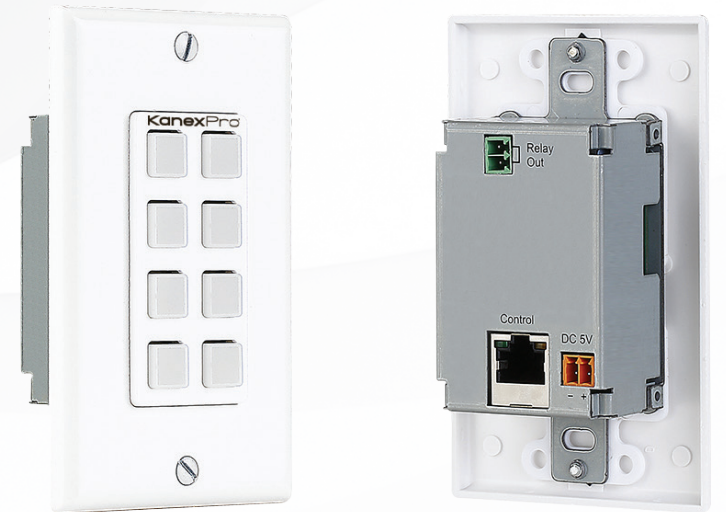
CONTROL

PANELS

8-button Control based IP Keypad

MPN: WP-IPKEYPAD8

- US single gang wall plate design with adjustable LED brightness
- Eight customizable backlit buttons
- Up to 128 total commands can be stored and used across all macros in the system (up to 16 per macro)
- Supports relay triggers to control compatible devices
- Supports time and date macro scheduling (single and recurring)
- Supports 48 hours of backup power for the internal clock and schedule function to protect against blackouts and temporary power loss
- Supports customizable daylight savings time settings for scheduling
- Can be controlled via Keypad, Telnet & WebGUI control
- PoE - powered over Ethernet or DC power supply
- TCP/IP Ethernet control for simple set up and programming
- Built-in WEB GUI provides fast and simple set-up
- Mini USB port - behind decorator-style wallplate for easy configuration access
- Sticker labels for buttons included for controller customization
- Macro capability - Any button can be configured to execute multiple actions through Web based GUI. For instance, the touch of a single button could trigger commands to turn on the display, select the display's input, and trigger a relay.
- Toggle capability - provides additional flexibility by allowing two different sets of commands to be executed with alternating presses of a button.
- Activity LED's to indicate various controller states



Integrated IR/RS-232 and Relay Controller

MPN: CR-3XCONTROL

- Integrated IR/RS-232 and Relay Controller
- 8 trigger inputs linked directly to 8 user macros allowing instant control
- 4 relay trigger outputs to control devices such as projector screens, lighting, etc.
- 4 IR outputs to control devices such as TVs, blu-ray players, media players, etc.
- Integrated IR code learning functionality
- Multiple user control interfaces including WebGUI, Telnet and RS-232
- Simple configuration of macros, triggers and relay settings via the WebGUI
- PoE (Power over Ethernet) support
- Firmware can easily be updated in the field via USB



DISTRIBUTION AMPLIFIERS

HDMI 2.0 & HDBASET™



KanexPro Distribution Amplifiers, or Splitters, are used to divide a single video source and duplicate it into two or more identical copies of the original signal. DA's can be designed to support digital signal types such as HDMI and CAT 5/6.

UltraSlim 4K HDMI® 1X2 Splitter w/ 4:4:4 Color Space & 18G

MPN: SP-1X2SL18G

- UltraSlim 1x2 HDMI DA with 4K UHD resolutions
- Supports 1080p/60 & 4K/60Hz resolutions
- Supports YUC 4:4:4 color space w/ HDR 10
- Incredibly thin design - only 0.4" (11 mm) thick
- High-bandwidth 18 Gbps
- Transmits 4K up to 10m (32ft.)
- HDCP 2.2 compliant
- Auto-identifies input resolutions to match displays



HDCP 2.2 HDMI® 4K HDR 18 Gbps

UltraSlim 4K HDMI® 1X4 Splitter w/ 4:4:4 Color Space & 18G

MPN: SP-1X4SL18G

- UltraSlim 1x4 HDMI DA with 4K UHD resolutions
- Supports 1080p/60 & 4K/60Hz resolutions
- Supports YUC 4:4:4 color space w/ HDR 10
- Incredibly thin design - only 0.4" (11 mm) thick
- High-bandwidth 18 Gbps
- Transmits 4K up to 10m (32ft.)
- HDCP 2.2 compliant
- Auto-identifies input resolutions to match displays
- Supports EDID management
- Firmware update via micro USB



HDCP 2.2 HDMI® 4K HDR 18 Gbps

SPLITTERS

HDMI® 1x8 Distribution Amplifier over CAT5e/6 Outputs

MPN: SP-HDCAT1X8

- Distribute & Extend HDMI over single CAT5e/6 to eight HD displays
- Includes 8-independent receivers
- Supports transmission distance up to 394 ft. (120m)
- Supports full HD 1080p (1920 x 1080@60Hz)
- Control via IR (kits included)
- Supports 5.1, 7.1 digital audio and uncompressed LPCM
- Live status indicator thru LED's
- HDCP 1.4 & EDID support for multiple displays



4K UHD 1x8 & 1x16 HDMI® Distribution Amplifiers

MPN: HDSP184K

MPN: HDSP164K

- Distribute 4K HDMI video and audio signals to up to 16 displays
- Supports full HD 1080p (1920 x 1080@60Hz) & 4K UHD
- Conforms to High Speed HDMI specifications (Deep color, HD lossless audio formats & Lip Sync)
- Supports Dolby Digital, DTS-HD and Dolby True HD audio
- HDCP 2.2 compliant
- Built-in Smart EDID Control
- Front-panel LED's for input/ output signal presence
- 5VDC external power supply included



HDCP 2.2 HDMI® 4K ULTRA-HD

Professional HDBaset 70 Meter 1x4 Distribution Amplifier w/ 4K UHD

MPN: SP-HDBT1X4

- Distribute one Input to four 4K UHD displays
- Extend up to 70 meters over single CAT6
- HDBaseT outputs supports PoE - No power supply needed on the receivers
- Built-in DIP switch for EDID management
- Bandwidth up to 10.2 Gbps
- Supports computer video up to 1920x1200, including HDTV 1080p/60 & 4K@30Hz



* Receiver is sold separately
MPN: EXT-HBT70C



PoE HDBT™ HDMI® 4K ULTRA-HD

SDI BROADCAST



Our family of new SDI products offers switchers, splitters and converters designed to cater uncompressed high-resolution video, audio and metadata. Ideal for professional broadcast, video production, live events, rental and staging, medical imaging, military training and simulation.

SDI to HDMI Converter with Signal EQ & Re-Clocking

MPN: SDI-SDHDXPRO

- Get the highest quality 3G-SDI conversion to HDMI
- 2 x SDI Loop outputs
- Integrated Audio de-embedder for 2-channel@20 bit,192 KHz audio
- Automatically switches between SD, HD and 3G-SDI standards
- Supports multiple video resolutions
- 3G mode length up to 130m
- HD mode length up to: 170m
- SD mode length up to 300m
- Supports conversion to SMPTE 425M Level A 1080p 50/59.94/60 4:2:2 10-bit
- Supports cascading of multiple SDI's in application



PRO SERIES 3G HD-SDI HD1080p

HDMI to SDI Converter with Signal EQ & Re-Clocking

MPN: SDI-HDSDXPRO

- Get the supreme quality HDMI conversion to HD-SDI
- SDI loop output for duplication or broadcasting
- Built-in re-clocking & equalization
- Integrated Audio de-embedder for 2-channel / 48KHz audio
- Supports multiple video resolutions
- 3G mode length up to 130m
- HD mode length up to: 170m
- SD mode length up to 300m
- Supports conversion to SMPTE 425M Level A 1080p 50/59.94/60 4:2:2 10-bit
- Supports cascading of multiple SDI's in application



PRO SERIES 3G HD-SDI HD1080p

Fiber Optic SDI Extender Set Up to 6.2 miles (10Km)

MPN: SDI-EXTFIBERPRO

- Convert and Extend SDI signals over Fiber LC
- Ideal for long haul transmissions
- Built-in signal equalizer & re-clock function
- Auto-sensing for 3G/HD/SD-SDI signals
- SDI Supported HD formats:
 - 720p/50 & 60
 - 1080i/50 & 60
 - 1080p/24, 25, 30, 50 & 60
- SDI video formats: 525i & 625i SD D1
- Audio format support up to 8-channel@24 bit, 48KHz
- Mini -USB port for firmware update
- Compact & rugged housing
- Locking power supply & mounting ears



PRO SERIES 3G HD-SDI HD1080p

SDI/HDMI with Audio Embedder to Multiple Video Cross-Converter

MPN: SDI-SDI2MULTIPRO

- Cross convert SDI & HDMI to analog video
- Powerful up/ down converter scaler
- Built-in anti - aliasing & 3D De-interlace
- Built-in test pattern generator
- Added DIP switch settings for various video resolutions
- Allows region of interest (ROI) - for annotation & quantitative information
- Simultaneous outputs to analog video and DVI
- Audio embedder supports output up to 8Ch/24Bit@48KHz
- Mini -USB port for firmware update
- Locking power supply & mounting ears
- Compact & ruggedized design makes perfect mobile broadcasting hardware
- Automatically switches between SD, HD and 3G-SDI standards
- Compact & ruggedized size makes perfect mobile broadcasting hardware
- Micro-USB Port for firmware update
- Locking power supply & mounting ears



PRO SERIES 3G HD-SDI HD1080p

Multiple Video Cross-Converter to SDI/HDMI with Audio Embedder

MPN: SDI-MULTI2SDIPRO

- Convert Digital / Analog video to SDI & HDMI
- Powerful up/ down converter scaler
- Built-in anti - aliasing & 3D De-interlace
- Built-in test pattern generator
- Added DIP switch settings for various video resolutions
- Allows region of interest (ROI) - for annotation & quantitative information
- Simultaneous output to 2 x SDI & 1x HDMI
- Audio embedder supports output up to 8Ch/24Bit@48KHz
- Mini -USB port for firmware update
- Locking power supply & mounting ears
- Compact & ruggedized design makes perfect mobile broadcasting hardware



PRO SERIES 3G HD-SDI HD1080p

SDI SWITCHERS, SPLITTERS, & CONVERTERS

SDI BROADCAST

HD-SDI Repeater with Signal Equalization & Re-clocking

MPN: SDI-HDRPTPRO

- Extend and repeat SDI signals up to 300 meters*
- Auto-input detection for 3G/HD/SD-SDI
- Supports full HD 1080p/60
- Built-in signal equalizer & re-clock function
- 3G mode length up to 130m
- HD mode length up to: 170m
- SD mode length up to 300m
- Audio format support up to 16-channel@24 bit, 48KHz



PRO SERIES 3G HD-SDI HD1080p

3G /HD-SDI 1x2 Distribution Amplifier

MPN: SP-SDIX2

- Get the highest quality 3G SDI distribution to 2 SDI monitors
- Outputs video on 2 separate buffered and re-clocked BNC ports.
- Built-in equalizer for I/O drive at long distances up to 300 meters
- Supports embedded audio
- Supports multiple video resolutions:
 - SDI 525i, 625i
 - HD: 720p 24, 25,30,50 & 60 Hz.
 - HD: 1080i 50 & 60 Hz.
 - HD: 1080p 24, 25,30, 50 & 60 Hz.
 - 3G: 1080p 50/60Hz.
- Compatible with HDcctv 1.0, HD-SDI (ST 292), 3G-SDI (ST 424) and SD-SDI (ST 259)



3G HD-SDI HD1080p

3G /HD-SDI 1x4 Distribution Amplifier

MPN: SP-SDIX4

- Get the highest quality 3G SDI distribution to 4 SDI monitors
- Outputs video on 4 separate buffered and re-clocked BNC ports.
- Built-in equalizer for I/O drive at long distances up to 300 meters
- Supports embedded audio
- Supports multiple video resolutions:
 - SDI 525i, 625i
 - HD: 720p 24, 25,30,50 & 60 Hz.
 - HD: 1080i 50 & 60 Hz.
 - HD: 1080p 24, 25,30, 50 & 60 Hz.
 - 3G: 1080p 50/60Hz.
- Compatible with HDcctv 1.0, HD-SDI (ST 292), 3G-SDI (ST 424) and SD-SDI (ST 259)



3G HD-SDI HD1080p

3G/HD-SDI/ SDI to VGA Converter

MPN: EXT-SDIVGA

- Get the highest quality 3G-SDI conversion to VGA formats
- Equalized and re-clocked loop output
- Conversion from SMPTE 425M Level B to Level A
- Supports multiple VGA output resolutions:
 - SDI: 800x600,1024x768
 - PC: 1280x720, 1440x900
 - PC: 1280x1024, 1680x1050
 - HD: 1600x1200, 1920x1080 & 1920x1200



3G HD-SDI HD1080p

AUDIO

AUDIO EXTRACTORS & AMPLIFIERS

18Gbps 4K HDMI® Audio Extractor with Dolby Atmos®

MPN: HAECOAX3

- 4K/60 HDMI Audio Extractor with Dolby Atmos®
- Select your bit-stream audio by switching instantly
- 18 Gbps bandwidth with latest HDMI 2.0 Specs
- Supports HDMI® HBR (High Bit Rate) audio pass-through
- Supports HDR 10(High Dynamic Range) pass-through for wide color gamut
- Supports video resolutions up to 4K@24/30/50/60Hz (YUV4:4:4) & 1080p HD
- De-embeds audio to multi-channel digital via TOSLINK / SPDIF or analog
- HDCP 2.2 compliant



HDCP 2.2 HDMI® 4K HDR 18 Gbps

Next generation of audio converter designed to extract the encoded multi-channel LPCM, Dolby Digital 5.1, DTS-HD 5.1 from HDMI sources to optical audio output and decode to 2-channel analog stereo.

Mini Audio Amplifier with Mic Mixer

MPN: AP2DBL

- Fast switching audio amplifier
- 2x20 Watt@40Ohm as the default amplifier output
- Bridge connection supported by switching the amplifier to be 1x40Watt@80hm
- Supports Dual-mono output
- Built-in Microphone mixer (separately controllable)
- Line audio output, with volume controllable
- MIC input supports 48V phantom power
- IR remote & sensor included



Mini 3-input Audio Amplifier with Mic Mixer

MPN: AP3DBL

- Fast switching 3 audio inputs (1 digital, 2 analog)
- One 3-level MIC input with mixer function
- 40 Watt amplifier output at 70V or 100V
- Ducking function for auto detect
- ID loop for RS232 looping control
- Adjustable volume with Bass & treble
- Locking power supply
- Control via front panel, RS232 & IR control
- Supports Dual-mono output
- Built-in Microphone mixer (separately controllable)



CABLES

USB 3.0

Extension cables are always needed in any Pro AV install whether you are sending high speed data thru USB or uncompressed HDMI video.

NEW SuperSpeed USB 3.0 Active Extension Cable - 16ft. (4.9m)

MPN: EXT-USB16FT

- USB 3.0 Active Extension cable - 16ft. (4.9m)
- Supports USB 3.0 throughputs up to 5Gbps
- Bus powered from host PC, no external power supply needed
- No drivers or software installation required
- USB 3.0 device port provides 5V, 900mA power
- Backwards compatible with USB 1.0,1.1 & 2.0
- OS Compatibility: Windows 98, Me, XP, 2000, 2003, CE, Vista, Windows 7, Windows 8, Linux & Mac OS 10.X



NEW SuperSpeed USB 3.0 Active Extension Cable - 32ft. (10m)

MPN: EXT-USB32FT

- USB 3.0 Active Extension Cable - 32 ft.(10m) A-Male to A-Female
- Supports USB 3.0 throughputs up to 5Gbps
- Bus powered from host PC, no external power supply needed
- No drivers or software installation required
- USB 3.0 device port provides 5V, 900mA power
- Backwards compatible with USB 1.0,1.1 & 2.0
- OS Compatibility: Windows 98, Me, XP, 2000, 2003, CE, Vista, Windows 7, Windows 8, Linux & Mac OS 10.X



CABLES

HDMI® 2.0



18G HDMI® Active Optic Cable with 4K/60Hz - 30m, 50m, 100m

HDMI AOC w/18 Gbps bandwidth & 4:4:4 sampling.

MPN: CBLAOC30M4K

MPN: CBLAOC50M4K

MPN: CBLAOC100M4K

- HDMI AOC- Active optical cable - 100m
- Premium video quality up to 4096x2160p/50Hz or 60Hz
- Bandwidth up to 18Gbps (6Gbps per channel)
- Color Sub-sampling of 4:4:4, 4:2:2, 4:2:0 with Deep Color & HDR
- Integrated USB connector draws power from the display
- EMI/RF free for clear signal transmission
- Up to 32 audio channels for a multi-dimensional immersive audio
- Up to 1536kHz audio sample frequency for the highest audio fidelity
- Support for the wide angle theatrical 21:9 video aspect ratio
- Dynamic synchronization of video and audio streams
- Supports CEC extensions
- Low power consumption
- Supports 3D and 4Kx2K
- Support color depths to 48 bits
- HDCP 2.2 compliant
- Available in lengths of 30m, 50m and 100m



High-resolution HDMI® Cables with Signal Equalizer 25ft, 50ft, 75ft, & 100ft

High Speed HDMI cables with Ethernet plus signal equalization.

MPN: HD25FTCL314

MPN: HD50FTCL314

MPN: HD75FTCL314

MPN: HD100FTCL314

- High Speed HDMI cables with Ethernet
- CL3 Rated for In-Wall Installation
- Built-in signal EQ
- Supports 3D and 4Kx2K
- Data rates up to 10.2 Gbps
- Support color depths to 48 bits
- HDCP compliant
- Available in lengths of 25 feet, 50 feet, 75 feet and 100 feet
- 24 AWG Copper Wire Construction



BBVA BANCOMER MEXICO SELECTS KANEXPRO & KOLO FOR DIGITAL SIGNAGE



BBVA is one of the largest private financial institutions around the world serving millions of customers. Grupo Financiero BBVA Bancomer has a significant presence in Mexico that offers a wide variety of financial products and services.

Kolo® is a leader in the integration of digital systems based in Mexico City. Partnering up with KanexPro to offer signal management and extension solutions, Kolo was selected as premium integrator for BBVA Bancomer with almost 2,000 branches, 7 corporate buildings and 5,000 screens nationwide. KanexPro HDBaseT™ Distribution amplifiers and extenders were used in all areas of install as one of the key components of the digital signage architecture.

"We also offered a full solution in branches with only one CPU (Player) with an optional interactive output. The KanexPro line-up of extenders helped us create a universal SKU which could be used in any situation, making it easier to maintain and service for the branches. We are overall very satisfied with KanexPro products."

PABLO GUETERIZ
Infrastructure Manager, BBVA



THE CHALLENGE

BBVA Bancomer had suffered to integrate a reliable Digital Signage infrastructure which was long due. BBVA needed a reliable, affordable and interactive digital signage solution for their infrastructure in Mexico City. The need was to integrate over 5,000 digital screens in Mexico in 2,000 branches of their bank locations and 7 corporate buildings. Controlling all these displays was a key driver on this project using Deneva software which would constantly communicate with the computer and pass along the serial meta data protocol from the display device to end computers running inside these branches and corporate locations.

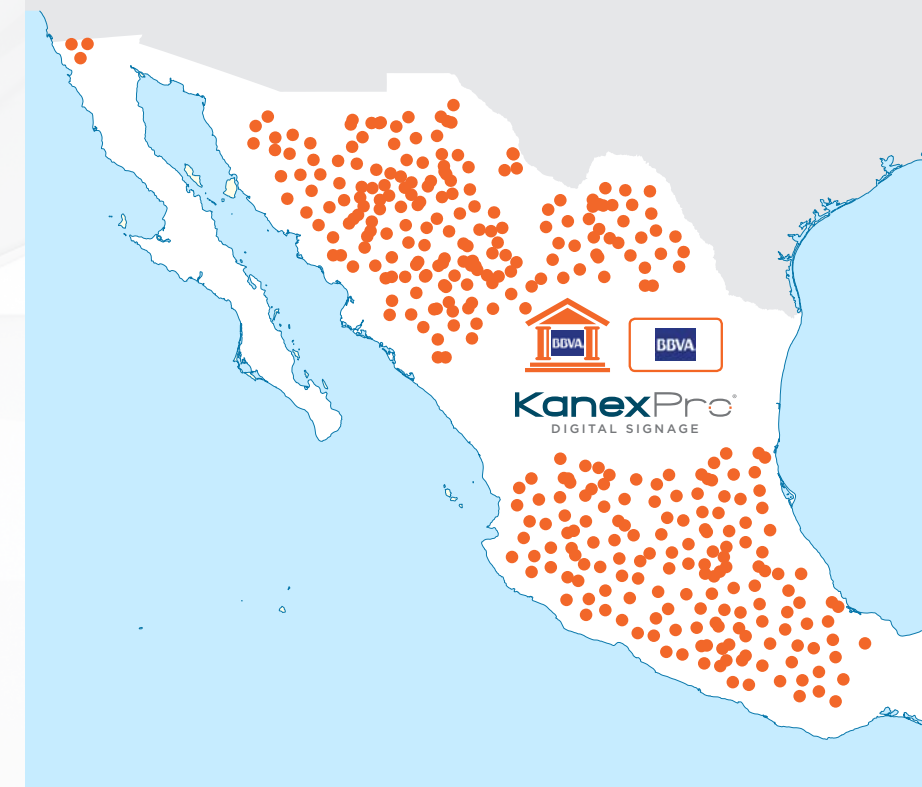
THE SOLUTION

The solution proposed by Kolo DS integrated was the KanexPro **SP-HDBT1X4** - a professional HDBaseT™ Distribution amplifier with one HDMI input and four HDBaseT outputs and a local HDMI output for daisy chaining or local monitor support, the DA is powered over Ethernet (PoE) extending uncompressed HDMI signals up to 4K/30Hz over a single CAT6 cable up to 230ft. (70m) to the receiver **HDBASE70POE-RX** and equipped to run with Deneva software.

	5000 DIGITAL SCREENS
	2000 BBVA BANK LOCATION BRANCHES

THE IMPACT

As a result of the integration, Client has a complete and competitive system of control and monitoring of the media exposure of all Internal and consumer communication throughout the nation.



FORTUNE 500 COMPANY SELECTS KANEXPRO FOR A DRIVE-THRU PROJECT



Drive Thru Digital Signage with KanexPro Extender



MPN: HDBASE100ME

THE SOLUTION

After passing vigorous tests, GDS chose the KanexPro HDBASE100ME Extender and recommended it to the end customer for their final install to their drive-thru stores.

The KanexPro HDBaseT Extender is a transmitter/receiver set that enables you to route ultra high-definition signals up to 330 feet (100 meters). It features two ethernet ports on both units to connect standard network devices, such as 100Base-T routers, switches and hubs for LAN access. It also features bi-directional RS-232 protocol for controlling all your sources to sink. The transmitter and receiver sets are built into a sturdy metal enclosure with locking power supplies and HDMI connectors that protect the unit from disengagement or signal loss.

The KanexPro extender was put to the test for an entire week. It was subjected to temperatures ranging from 69 °C to -20 °C for 8 hours a day. Amazingly, it was still operational at -20 °C. GDS found that the KanexPro HDBASE100ME was able to withstand extreme temperatures for outdoors as well as indoors.



"The KanexPro HDBASE100ME Extender is a high quality, robust device, tested and proven for durability in all extremes. Recommended for use wherever an HDMI™ over CAT6 extender is needed," said Rothmaler.

The rugged, heat-resistant extender is utilized by one of the largest American coffee chains to extend digital AV media reliably to its drive-thru menus because it can extend full 1080p at 100 meters with separate Ethernet connection to LAN and it survives with temperatures ranging from 69 °C to -20 °C for eight hours a day.

THE CLIENT NEEDS & CHALLENGES

The project was to create a rugged, heat-resistant solution to extend digital A/V media reliably using HDBaseT™ technology from a computer located inside the proprietor's venue to an interactive display located outside the venue in the drive-thru lane bearing variant temperatures.

An HDCP compliant extender was needed that can run up to 100 meters (330 feet) over cat6 based on HDBaseT technology delivering crystal clear audio and video to the GDS display located at the drive-thru store.

In order to tackle this project efficiently and economically, GDS researched, explored and tested a variety of HDBaseT video extenders from different manufacturers that can withstand thermal environments such as extreme cold, heat and humidity. They encountered mixed and disappointing results when testing many off-market extenders. The receiver side of the extender failed several times in thermal testing and on multiple test runs a re-connect or dis-connect for both video and power would occur. They learned quickly that not all HD extenders are created equal.

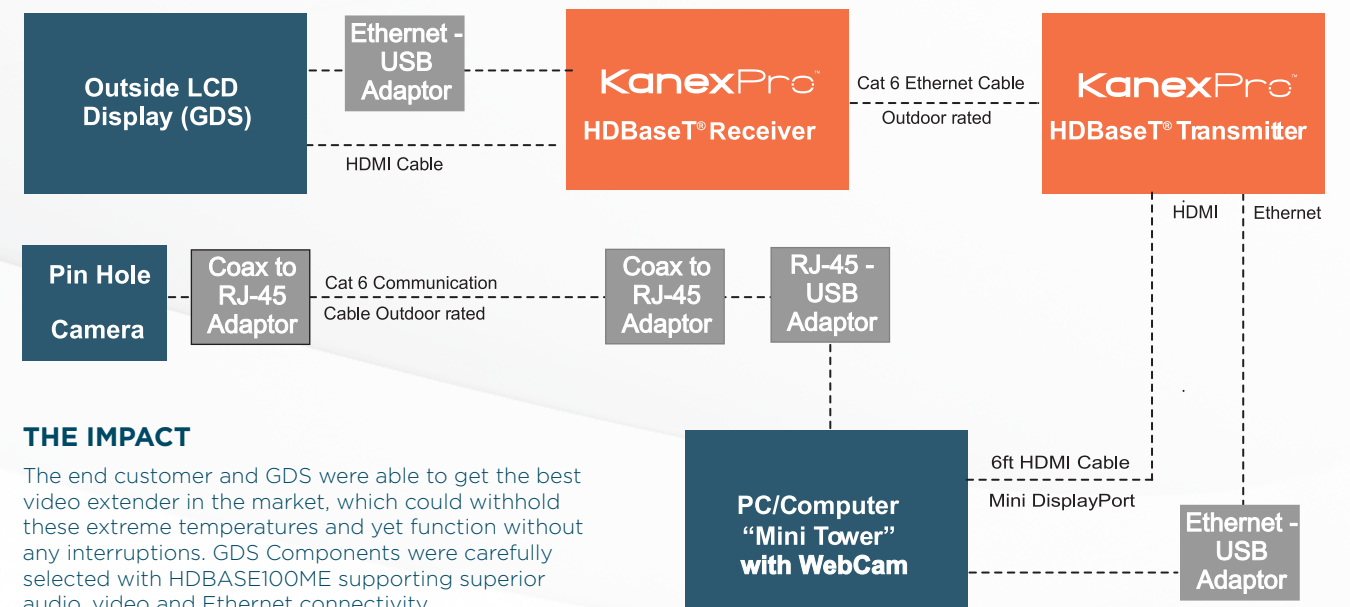
A drive-thru restaurant cannot afford failures, disconnects, or time latencies, as that would mean loss of business and revenue. HDBaseT technology brings the versatility and simplicity demanded by such an application, guaranteeing the performance necessary under any condition. HDBaseT technology is ideal for a variety of applications, as catered by companies such as KanexPro.

- MICHA RISLING
Marketing Chair of HDBaseT Alliance

These displays are interactive, so reliable connectivity is very important. The solution also relies heavily on the Video & Ethernet portion for communication for relaying the health and wellbeing of the display.

- GUS ROTHMALER
Product Manager at GDS

DIGITAL SIGNAGE APPLICATION



THE IMPACT

The end customer and GDS were able to get the best video extender in the market, which could withstand these extreme temperatures and yet function without any interruptions. GDS Components were carefully selected with HDBASE100ME supporting superior audio, video and Ethernet connectivity.

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