KanexPro®

COMMERCIAL A/V SOLUTIONS

OUTPUT: ABCDEFGH
INPUT : 12345678

100-240V AC 50/60Hz

CONTROL

LAN RS-232

IR EXT IR INPUT IR OUTPUT

1 2 3 4 5 6 7 8 ALL 1 2 3 4 5 6 7 8 ALL

OUTPUT F OUTPUT G OUTPUT H

TX ⇵ RX TX ⇵ RX TX ⇵ RX

AUDIO INPUT OUTPUT A OUTPUT B OUTPUT C OUTPUT D OUTPUT E

1 2 3 4 5 6

L / R OPTICAL COAX L / R COAX L / R COAX TX ⇵ RX L / R COAX TX ⇵ RX L / R COAX TX ⇵ RX L / R COAX RS-232 RS-232 RS-232 RS-232 L / R COAX RS-232 L / R COAX RS-232 L / R COAX

INPUT OUTPUT

HDMI 1 HDMI 2 HDMI 3 HDMI 4 HDMI 5 HDMI 6 HDMI 7 HDMI 8 HDMI A HDMI B HDBaseT C HDBaseT D HDBaseT E HDBaseT F HDBaseT G HDBaseT H

DISPLAY

SOURCE

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.

THREE YEAR
3
YEAR
WARRANTY

USB 3.0

SuperSpeed USB 3.0 Active Extension Cable

MPN: EXT-USB16FT
        EXT-USB32FT

- USB 3.0 Active Extension cable - 16ft. (4.9m) and 32ft. (10m)
- 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 Premium High Speed Certified HDMI Cable

MPN: CBL-HDMICERTSS3FT
        CBL-HDMICERTSS6FT
        CBL-HDMICERT15FT
        CBL-HDMICERT25FT

- Supports all HDMI® resolutions up to 4K (3840x2160p @60Hz), including 3D and Multi View video
- Durable PVC connectors and Jacket for years of operation
- Gold plated connectors prevent corrosion for when deployed on long term projects
- Ideal length to be used for connecting devices that are close together.
- Supports HDR, HDR10, and DolbyVision dynamic range picture modes.
- Supports SA-CD, DVD-Audio, DTS-HD Master Audio™, Dolby TrueHD™, and other high-definition audio standards
- Supports Deep Color, up to 16-bits per channel, including Sony's x.v.Color™ standard
- Supports extended CEC (Consumer Electronics Control) commands and functions, the HDMI Ethernet Channel, and the Audio Return Channel features
- Compatible with Apple TV 4K, MacBook, Media Players, Distribution Amplifiers, Extender, Converters, Gaming Systems, Xbox One, PlayStation 4, PCs, and HDMI enabled device.

KanexPro®

HDMI® 2.0

Active Fiber High Speed HDMI Cable

MPN: CBL-HDMIAOC20M
CBL-HDMIAOC30M
CBL-HDMIAOC50M

- Uncompressed optical transmission of 18Gbps HDMI content at 4K/60 4:4:4 or HDR at 60Hz
- Bandwidth up to 18Gbps (6Gbps per channel)
- Supports all the features contained in the HDMI 2.0 specification
- Optical fiber cable is ideal for use in environments with excessive EM or RF interference
- Gold plated connectors prevent corrosion for when deployed on long term projects
- Plenum (CMP) fire safety rating makes it safe for use in the Plenum air duct spaces of commercial and residential buildings

High-resolution HDMI® Cables with Signal Equalizer

High Speed HDMI cables with Ethernet plus signal equalization.

MPN: CBL-HT8181HDMI25FT
CBL-HT8181HDMI50FT
CBL-HT8180HDMI75FT
CBL-HT8180HDMI100FT

- 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

DISPLAYPORT

Active Fiber High Speed DisplayPort 1.4 Cable

MPN: CBL-DP14AOC20M
CBL-DP14AOC30M
CBL-DP14AOC50M

- No external Power required
- Plug and Play
- HDCP Support
- EDID Support
- No Signal Loss
- Supports both Single Stream Transport (SST) and Multi-Stream Transport (MST) modes
- Compatible with AMD® FreeSync™ 2.0 technology

8K HDR | ‡D | 32.4 Gbps

CABLE SIZING CHART

Up to 6ft.

Up to 25ft.

Up to 100ft.

Up to 164ft.

Up to 164ft.
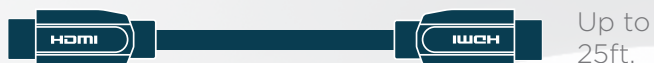
PANELS

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
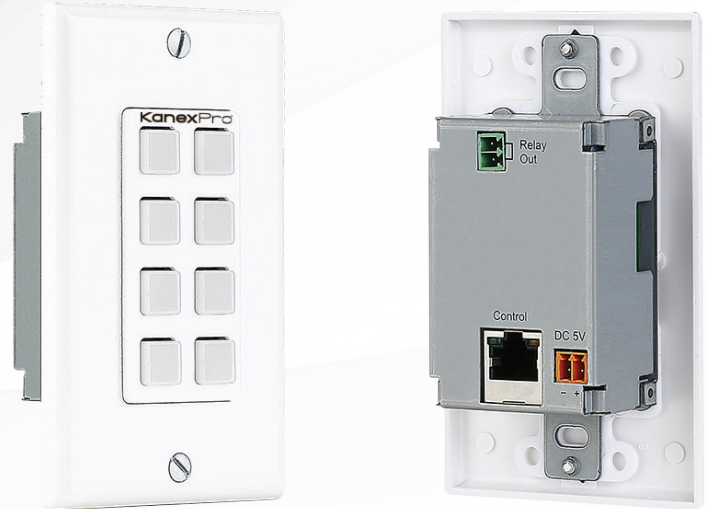
PoE **SMART** **TCP/IP**

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

PoE **RS-232** **TCP/IP**

AUDIO®

NEW HDMI 2.0 Audio Embedder

MPN: HAECOAX4

• Embeds multi-channel optical (SPDIF) or Line analog audio to HDMI output
• Optical audio supports LPCM 2CH, Dolby Digital 2/ 5.1CH, DTS 2/5.1CH
• Analog audio supports PCM2.0
• HDMI 2.0b (18Gbps), HDCP 2.2 and DVI 1.0 compliant
• Video resolutions up to 4K2K@50/60Hz (YUV444)
• Supports HDMI High Bit Rate (HBR) audio pass through
• 10bits HDR (High Dynamic Range) pass through
• Supports CEC bypass

HDCP 2.2   HDMI 2.0   4K HDR   18 Gbps

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
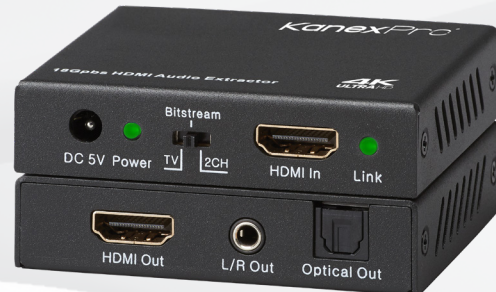
Mini Audio Amplifier with Mic Mixer

MPN: AP2DBL

• Fast switching audio amplifier
• 2x20 Watt@4Ohm as the default amplifier output
• Bridge connection supported by switching the amplifier to be 1x40Watt@8Ohm
• 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

AUDIO

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)

NETWORK AV™

H.264 HDMI® Encoder & Decoder
over IP with 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

Drivers available: Crestron, RTI, and Control 4

NETWORK AV™

NEW Wireless 5G HDMI Extender 1080p Full HD 330ft 100M Dual Antenna Long Range Kit

MPN: EXT-18GHDMIWL

- Basic point-to-point HDMI over H.265 compression
- Supports one HDMI HD source to one HDMI HD display via wireless transmission
- Video resolution up to 1080P@60Hz
- One-to-one connects transmission distance up to 330ft/100m
- Low Latency - End-to-end delays under 120ms
- Compact design for easy and flexible installation

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
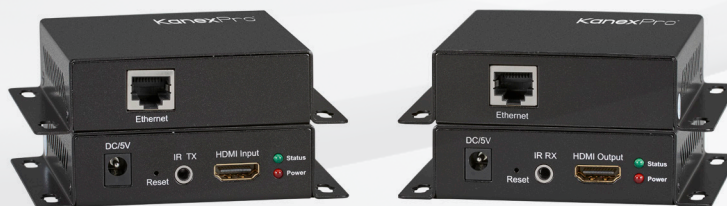
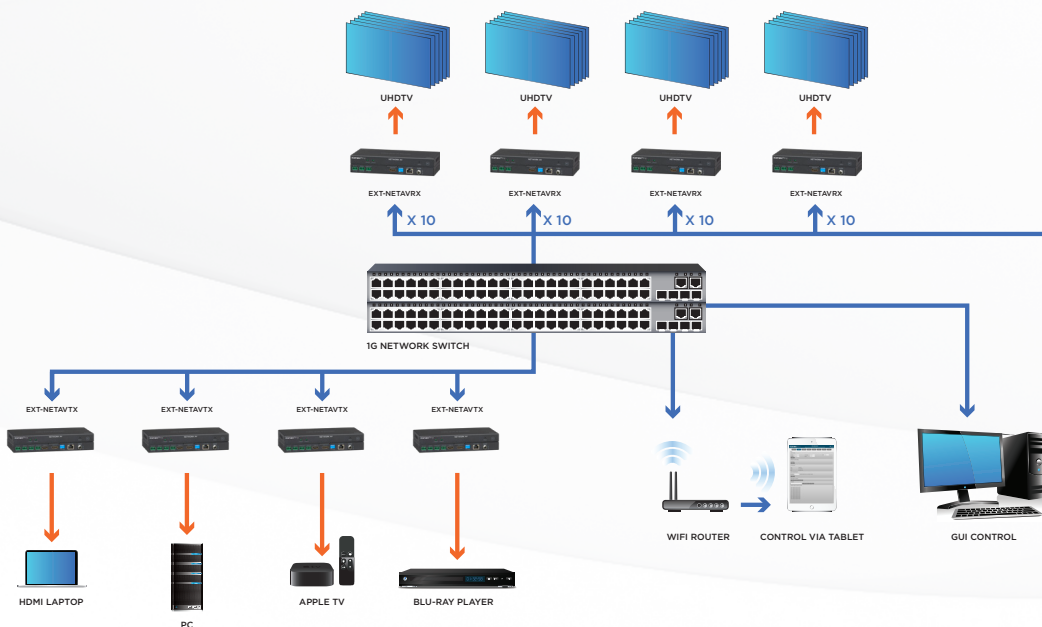**HDMI®** Video Over IP Decoder - 120m

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

KanexPro®

NETWORK AV™ APPLICATION & WEB GUI

MULTI-VIEW SUPPORT

VIDEO WALL CAPABLE

UHDTV   UHDTV   UHDTV   UHDTV

EXT-NETAVRX   EXT-NETAVRX   EXT-NETAVRX   EXT-NETAVRX

X 10   X 10   X 10   X 10

1G NETWORK SWITCH

EXT-NETAVTX   EXT-NETAVTX   EXT-NETAVTX   EXT-NETAVTX

WIFI ROUTER   CONTROL VIA TABLET   GUI CONTROL

HDMI LAPTOP

PC

APPLE TV   BLU-RAY PLAYER

USB EXTENDERS UP TO 100 METERS

UltraSlim 4K/60 HDMI® 2.0 Extender up to 330ft & PoH

MPN: EXT-100SL18G

- Ultra Slim 330ft. (100m) HDMI extender 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
- HDCP 2.2 and EDID compliant

HDCP 2.2   **HDMI®**   **4K HDR**   **18 Gbps**   **PoE**

HDMI 2.0 Fiber Optic Extender with 4K/60 up to 300 meters

MPN: EXT-4KFIBERPRO

- Send secure, uncompressed and RF/ EMI free video and audio over fiber
- Works with single mode or multi-mode
- Supports HDR, Dolby Vision and 4:4:4 Chroma sampling rate
- Built-in LC connectors on both the transmitter & receiver
- Extends 4K/60 up to 984ft. (300m)
- Extends 1080p/60 up to 1300ft. (400m)
- HDCP 2.2 Compliant
- Supports Audio Return Channel (ARC), EDID & CEC channels
- Bi-directional IR and RS232 pass-though.
- Slim chassis design
- Micro–USB port for on the spot firmware update
- Locking power supply & mounting ears
- Backed by KanexPro 3-year warranty for parts & labor

4K/60 HDMI® Extender

MPN: EXT-HDBT70C

- Basic point-to-point HDMI extender
- Extend full HD 1080p up to 70m (230ft.)
- Extend 4K/30 up to 40m (131ft.)
- Supports Ultra HD 4K@30Hz resolutions &
- Video resolutions from 1080p/60@48bit
- Bi-directional PoH (power over cable)
- HDCP 2.2 & EDID compliant
- Bandwidth 10.2 Gbps
- Bi-directional RS-232 & IR control
- Supports CEC/IR/RS-232 pass-thru
- IR input/output - embedded over CATx extension
- Dolby TrueHD & DTS Master Audio ready
- Supports uncompressed audio - LPCM

KanexPro®

USB EXTENDERS UP TO 100 METERS

4K 100-Meter HDMI® Extender with PoE Support

MPN: EXT-HD100MHBT

- Extend HDMI signals up to 330 ft. (100m) on single CAT6 cable
- Supports Power over Ethernet from Tx or Rx
- 4K x 2K@30Hz Ultra HD resolutions
- Infrared Signal Input/Output, embedded over extension
- Supports resolutions from 1080p/60@48bit
- High bandwidth up to 10.2 Gbps
- Enables 3D pass-through
- Supports CEC pass-through
- HDCP and EDID compliant
- Audio support: Dolby TrueHD & DTS Master Audio, 7.1 compliant
- Uncompressed audio support such as LPCM
- Front panel-LEDs for link activity and HDCP authentication
- Locking power suppy & HDMI connectors

NEW USB 2.0 Extender over Cat6 100 Meters

MPN: EXT-USB2100M

- Ultra Slim 330ft. (100m) USB 2.0 extender
- Simple plug and play, no drive and setting installation required
- Supports USB 2.0 protocol, transmission rate up to 480Mbps
- Features one USB-B port input in transmitter
- Features two USB 2.0 ports outputs on the receiver
- Compact design for easy and flexible installation
- Backed by KanexPro 3-Year Parts and Labor Warranty

NEW USB 2.0 Extender over Cat6 50 Meters

MPN: EXT-USB250M

- Ultra Slim 165ft. (50m) USB 2.0 extender
- Simple plug and play, no drive and setting installation required
- Supports USB 2.0 protocol, transmission rate up to 480Mbps
- Features one USB-B port input in transmitter
- Features two USB 2.0 ports outputs on the receiver
- Compact design for easy and flexible installation
- Backed by KanexPro 3-Year Parts and Labor Warranty

WALLPLATES

Double Gang 4K HDMI & USB 2.0 Wall Plate Switcher with IR & PoH

MPN: WP-HDBTKVM3

- Extend USB 2.0, 4K UHD video and audio up to 100 meters
- Automatically detects active input when source is connected
- Driverless USB 2.0 for webcam video emulation and AEC speakerphone audio
- USB 2.0 also supports touch-screen functionality and keyboard-video-mouse (KVM)
- Distribute 4Kx2K@30Hz & 60Hz signals up to 4:2:0
- Supports standard 1080p & WUXGA resolutions
- HDCP 2.2 compliant
- Supports bi-directional RS232 pass-through connection & local HDMI
- CEC to turn on/off display by the DISPLAY ON/OFF button
- Bi-directional power via PoH from Tx to Rx or vice versa
- Firmware upgrade via Micro-USB port

Single HDMI 2.0 Wall Plate Extender Kit with IR Control & Power over Cable

MPN: WP-EXTHDBTKIT

- Single-Gang, one HDMI Input Active Wall Plate Extender Kit
- Includes one Receiver for connecting to Display
- 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 bandwidth
- Digital Audio Support up to 7.1 channels of HD audio
- HDCP 2.2 Compliant
- Bi-directional IR & RS-232C
- Remote power support thru PoC (Either from sender/receiver)

KanexPro®

UltraSlim 4K HDMI® 1X2 Splitter with 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
- Transmits 4K up to 10m (32ft.)
- Auto-identifies input resolutions to match displays
- Supports EDID management
- Firmware update via micro USB
- Perfect for installing behind a thin bezel display
- Built-in Smart EDID Control

HDCP 2.2   **HDMI®**   **4K HDR**   **18 Gbps**

UltraSlim 4K HDMI® 1X4 Splitter with 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**

4K HDMI 1x4 Splitter with HDCP2.2

MPN: SP-HD20-1X44K

- Distribute one 4K HDMI video and audio signals to Four HD 4K displays
- 4K@60Hz UHD, 1080p & 3D resolutions
- 4Kx2K @30Hz with 24bit RGB, YCBCR 4:4:4 & YCBCR 4:2:2
- 4Kx2K @60Hz with 12bit YCBCR 4:4:4
- Conforms to High Speed HDMI specifications:
- (Deep color, HD lossless audio formats & Lip Sync)
- HDCP 2.2 compliant
- Built-in Smart EDID Control
- Front-panel LED's for input/ output signal presence

Also available in 2-port option: SP-HD20-1X24K

4K ULTRAHD   **HDMI®**   **HDCP** 2.2

SCALERS

HDMI® 1x8 Distribution Amplifier over CAT5e/6 Outputs

MPN: SP-HDCAT1X8
　　　SP-HDCAT1X4

• 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** ULTRAHD

Professional 70 Meter 1x4 Distribution Amplifier with 4K UHD

MPN: SP-HDBT1X4

• Distribute one Input to four 4K UHD displays
• Extend up to 70 meters over single CAT6
• Outputs support 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-HBT70MRX

PoE　**HDMI®**　**4K** ULTRAHD

KanexPro®

SCALERS

9-Input Scaler & Switcher with 4K 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

7-Input 4K Presentation Scaler Switcher with Audio Breakaway

MPN: HDSC71D-4K

- 4K Multi-input 7x2 Presentation Scaler Switcher
- Elite 4K scaling engine to support up-scaling & down-scaling
- Accepts 4K input resolutions 3840x2160@30Hz
- Native 4K input / output scaling
- Independent Audio Switching
- Multiple Inputs: 4xHDMI, 1xDisplayPort, 1xDVI-I & 1xRGB/YPbPr
- Mirrored outputs: 1xHDMI with standard 48v PoC
- Smart Scaling – automatically responds to displays EDID and scales best video resolution
- DisplayPort input resolution up to 3840x2160@60Hz
- Supports auto-scaling by auto-detecting EDID from display to scale optimized resolution
- Supports MHL inputs via HDMI
- Provides break away audio

6-Input Collaboration Switcher & Scaler

MPN: HDSC61D-4K

- 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

SCALERS

Seamless Presentation Switcher & Scaler with 5 inputs

MPN: SW-HDSC51HDBT

- Seamlessly switch & scale 5-video inputs to 2-outputs using HDMI
- Auto-switching enabled
- Output extend CAT5e/6 distance up to 230 feet (70 meters)
- Includes 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

3-Input Huddle Room Switcher over 4K

MPN: HDSC31D-4K

- 3-input Collaboration Auto - Switcher & Scaler
- Reliable switching with selectable output resolutions up to 4K UHD
- Extend 3-inputs 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
- 3D, 1080p@60Hz@36bit; 4K x 2K@30Hz@24bit
- Bi-directional POE support (Tx to Rx or Rx to Tx)
- VGA video also supports: C-video & YPbPr
- Built-in EDID management
- Controllable via IR, front-panel, & RS-232
- Supports CEC & HDCP 2.2 compliant
- Locking power supplies
- Compact & slim design for flexible installation
- Includes mounting kits

KanexPro

HDMI 2.0 MATRIX

NEW 8x8 HDMI 2.0 Matrix Switcher with Audio outputs supporting 4K/60Hz

MPN: HDMX88A-18G

• Cross-switch 8HDMI inputs to 8 HDMI outputs with 4K @60Hz
• Distribute 4Kx2K@60Hz signal up to 5m via HDMI port
• Supports standard 1080p & WUXGA resolutions up to 2560x1080@60Hz
• 2 Channel analog audio outputs on each HDMI output channel
• HDR, DolbyVision & HDCP 2.2 Compliant
• Smart EDID DIP switch for proper display output
• Supports latest High Speed HDMI 2.0 specifications
• Supports Dolby Digital, DTS, DTS-HD
• Control thru front-panel keys, IR, RS-232 & Web based GUI
• Front-panel LCD screen provides real-time I/O connection status
• Expedient firmware upgrade thru Micro USB port
• 1U (19") rack mountable aluminum enclosure
• Universal RS-232 code compatible with any 3rd party control systems
• Locking HDMI & Power supply
• Internal Universal power for worldwide compatibility

HDCP 2.2   HDMI®   4K HDR   18 Gbps

NEW 4x4 HDMI 2.0 Matrix Switcher with Audio outputs supporting 4K/60Hz

MPN: HDMX44A-18G

• Cross-switch 4 HDMI devices to 4 HDMI displays in 4K@60Hz
• Distribute 4Kx2K@60Hz signal up to 5m over HDMI (max.)
• 4K & UHDTV resolutions up to 3840x2160@60 Hz (YUV 4:4:4, 8-bit)
• 2 Channel analog audio outputs on each HDMI output channel
• 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

HDCP 2.2   HDMI®   4K HDR   18 Gbps

NEW 4x2 HDMI®2.0, 4K/60 Matrix Switcher w/ HDR10 & EDID Management

MPN: HDMX42A-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
• Supports pass-through of LPCM 7.1, Bit stream and HD Bit stream audio formats
• Supports EDID management via five pre-defined internal EDIDs and two external EDID options

HDMI™   4K HDR   HDR10+   18 Gbps   DOLBY VISION

HDMI SWITCHERS

Premium Extender Kit for K-12 Educational Applications

MPN: WP-EDUKIT4K

- Switch freely between two HDMI and a single VGA input
- Supports HDMI output resolutions up to 4K@30Hz
- Supports HDCP 2.2
- Provides MIC input
- Provides 2x30Watt@4Ω amplifier output
- Customizable control panel supports IR Learning
- Read and write IR Learning data to easily configure additional systems

UltraSlim 4K HDMI® 4x1 Switcher with 4:4:4 Color Space & 18G

MPN: SW-4X1SL18G

- UltraSlim 4x1 HDMI switcher w/ ARC
- Auto-switching enabled
- Supports 4K x 2K@60Hz
- Supports YUV 4:4:4 color space
- Incredibly thin design – only 0.4" (11 mm) thick
- High-bandwidth 18 Gbps
- HDCP 2.2 compliant
- Transmits 4K over HDMI cable up to 10m (32ft.)
- HDMI supports ARC (Audio Return Channel)

HDCP 2.2   HDMI®   4K HDR   18 Gbps

2-Input Collaboration System for Huddle Rooms

MPN: SW-2X14KUSBC

- A true 4K/60, 2x1 auto-switcher with HDMI 2.0 and USB-C inputs
- Intelligent Automatic switching
- Provides charging on USB-C port up to 60W perfect for MacBook & iPads
- Controllable via front panel buttons & RS232C
- Built-in EDID management
- 4Kx2K@60Hz 4:4:4, HDR 10, Dolby Vision & HDCP 2.2.
- Provides USB data (USB 3.0/2.0) and 4K video transmission on USB-C port.

KanexPro®

EXTENDER MATRIX

4K/60 8X8 Matrix Switcher
with Audio Matrix

MPN: MX-HDBT8X818G

- Ultra-fast 8x8 switching with instant display
- Distribute four outputs up to 100m
- Up to 35m at 4Kx2K/60Hz on a single CAT5e/6 cable
- HDMI output supports HDR + DolbyVision
- HDR, ARC, CEC and smart EDID management supported
- Supports power over Ethernet (PoE) to all six receivers
- Includes all 6 receivers in the box
- Indpendent audio matrix
- Supports Audio De-embedding
- HDCP 2.2 compliant
- Bi-directional IR & RS-232 control
- Ethernet connectivity for WebGUI
- Control via front panel, RS232, IR or IP
- Illuminated buttons w/ Front panel LCD
- IR remote control included
- Easy firmware upgrade thru Micro-USB port
- Locking HDMI connectors
- 19" (1U) rack-mountable steel enclosure
- External International power supply (100V-240V AC,50/60Hz)

KVM SWITCHERS

NEW **4K Quad Multiview 4X1 KVM Switch**

MPN: SW-HDSC4X1KVM

- Supports quad-view and full screen modes
- Supports seamlessly move your mouse from monitor to monitor across computers in quad view mode
- Supports 4K@60Hz full screen and quad-view layout configuration
- Supports input resolution up to 4K@60Hz, 4:4:4 color sampling
- Supports output resolution up to 4K@60Hz, 4:4:4 color sampling
- Supports upscaling up to 4K@60Hz, 4:4:4 color sampling
- Supports Deep Color and HDCP 1.4 / 2.2

4K KVM

NEW **Multiview 4X1 KVM Switch**

MPN: SW-4X1KVMMV

- Built-in 5 Gbps super speed USB3.0 transfer.
- Controls four HDMI USB host device with independent HID keyboard and mouse ports
- Compliant with HDMI 1.3 with resolutions up to 1080p60.
- HDMI seamless switch and lag free KVM control
- Supports both quad view display output and full screen display output.
- Controlled by front panel buttons, keyboard hotkeys and IR remote.
- High speed data transfer from source to individual computers
- Plug and play, no software or drivers required

1080p KVM

KanexPro®

UHD Display

KEYBOARD / MOUSE   USB1   USB2   USB3   USB4   RESET   AUDIO OUT   ETHERNET   RS232   USB FW   12VDC   POWER ON/OFF
                                                                                          UPGRADE
OUTPUT   HDMI1 HDMI2 HDMI3 HDMI4
                         INPUT

Keyboard   Mouse

Desktop   Desktop

    Desktop   Desktop

Ethernet   RS232

Speakers
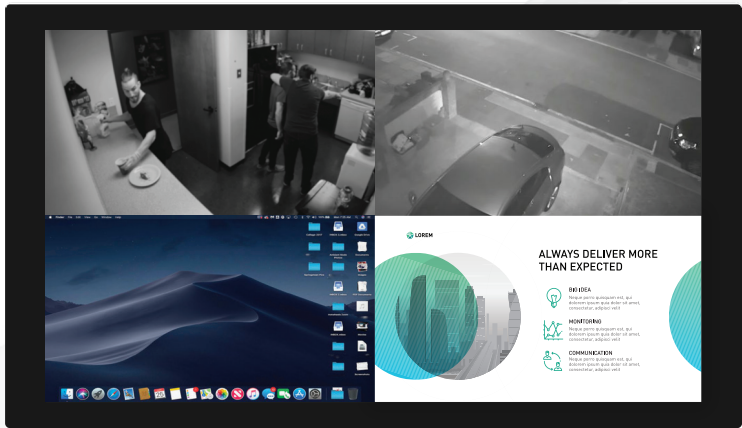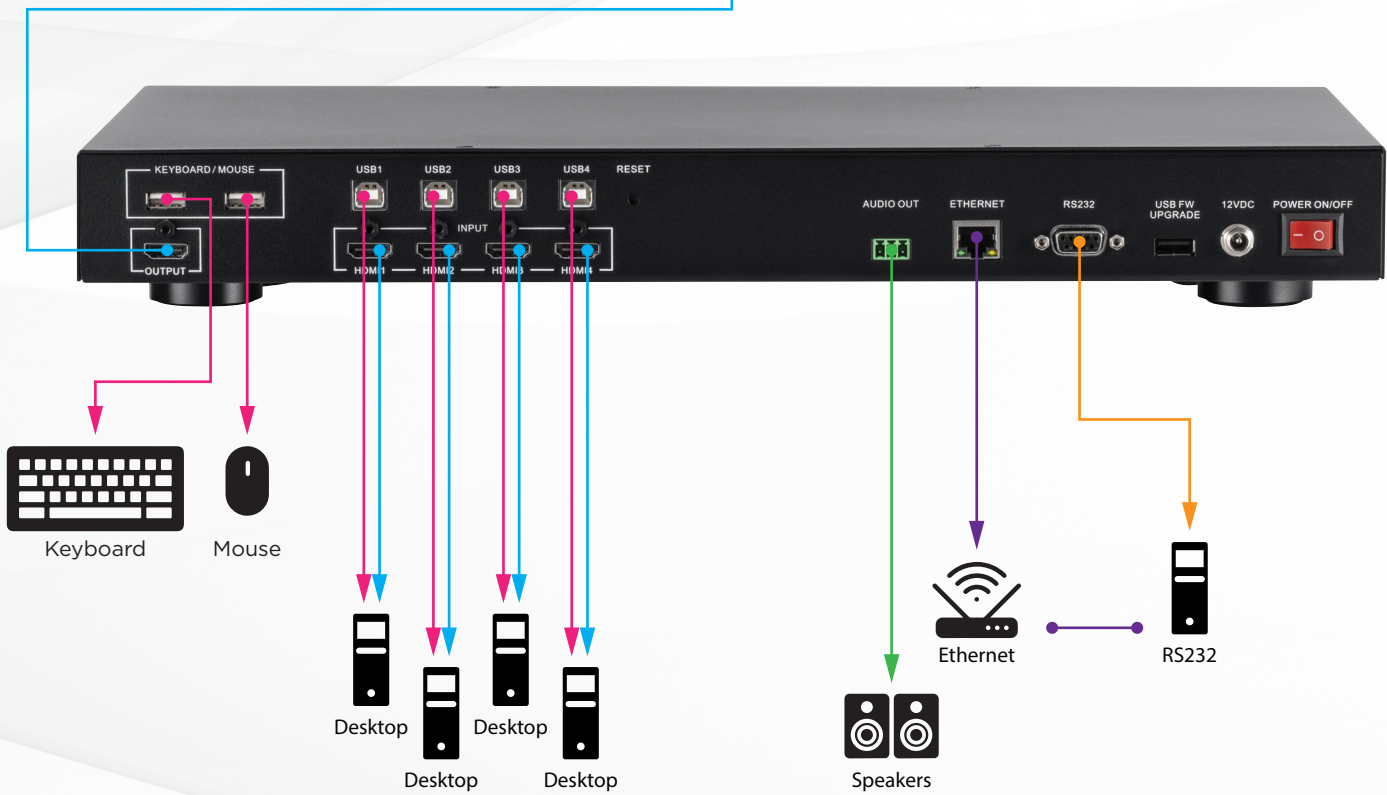
	USB Cable
	HDMI Cable
	Audio Cable
	Ethernet Cable
	RS232 Cable

SDI BROADCAST

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

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

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

MPN: SDI-EXTFIBERPRO

TRANSMITTER RECEIVER

- 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

KanexPro®

SDI BRODCAST

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

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

DIGITECH INTEGRATION ENHANCES CLASSROOM COLLABERATION WITH KANEXPRO

DigiTech Integration, Inc. incorporates KanexPro® UltraSlim 4K HDMI Switcher and Splitter, IR/RS-232 and Relay Controller, and 8-Button Control-Based IP Keypad for multi-screen display and simplified display control

Brea, Calif. – Technology has always been at the forefront of human education, through evolution and change, technology's importance in the classroom is evident now, more than ever. Integrating technology into the classroom is an effective way to connect with students of all learning types, meanwhile, providing the opportunity to enhance interaction with classmates and teachers through collaboration. And, studies have shown, students are more successful in life outside of the classroom when technology is integrated and embraced.

As the technology that classrooms can implement continue to evolve with technological advancements. Hanford, California-based DigiTech Integration, Inc. worked closely with a local school district to implement enhanced, multi-screen video with simplified display control. "In collaboration with local IT and facilities directors, their goal was to create a multi-screen display with three televisions in each room with the capability to display different content on each television simultaneously," said Hugo Sanchez, Project Coordinator for DigiTech Integration. "We needed to provide reliable, easy-to-use, cost-effective video control solutions to allow the teachers to control the devices from their desk or wall-mount keypad controller, which is why we selected KanexPro's UltraSlim 4K HDMI 4x1 Switcher and 1x4 Splitter paired with their 8-Button Control-Based IP Keypad and IR/RS-232 and Relay Controller."

THE CHALLENGE

DigiTech Integration selected KanexPro solutions to create a well-rounded, versatile solution to provide each teacher with a single system to meet each need. "We're a long-time KanexPro customer and we've trusted their solutions as go-to products for our vast range of customers," noted Sanchez. "We strive to provide our customers with quality systems and with KanexPro, we are able to do just that. The quality, innovation and features of each of their products, as well as the cost-effective price, is a reason why we consistently use their solutions in K-12 education installation."

Due to the environment of the installation, DigiTech Integration had to complete the installation quickly with very minimal footprint in the classroom. DigiTech Integration worked closely with KanexPro to ensure the installation and programming was completed flawlessly. "KanexPro is our go-to provider for connectivity solutions and we're always pleased with the level of customer support we receive," said Sanchez. "KanexPro's product specialist worked closely with our technician through the programming process, which was incredibly simple, but we were appreciative of the time the product specialist spent with our programmer to ensure the system was flawless. KanexPro always provides us with quick, reliable and efficient customer support, and it's one of the reasons we trust their products for our clients."

THE SOLUTION

In pairing the UltraSlim 4K HDMI 4x1 Switcher and 1x4 Splitter paired with their 8-Button Control-Based IP Keypad and IR/RS-232 and Relay Controller, DigiTech Integration provided their client with the specific capabilities they needed to enhance interactivity within the classroom. "Our client is incredibly satisfied with the final system. Especially in a classroom, reliability is imperative," explained Sanchez. "The teachers are able to display content from their desktop icon or a keypad controller to multiple televisions, simultaneously and in high-resolution, while controlling each display with the simple touch of a button. Following the initial phase, we'll be incorporating additional KanexPro UltraSlim Switchers and Splitters with 8-Button IP Keypads and IR/RS-232 and Relay Controllers into new classrooms within the same school."
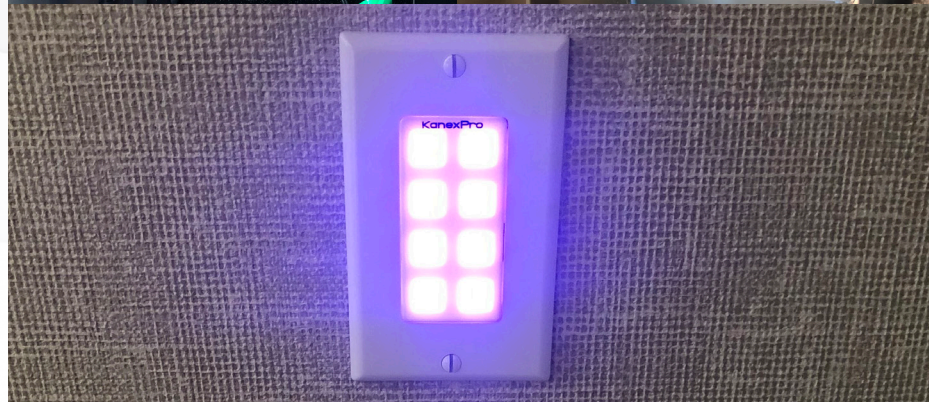
BBVA BANCOMER MEXICO SELECTS KANEXPRO & KOLO FOR DIGITAL SIGNAGE

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

MEMBERS OF

DIGITAL SIGNAGE FEDERATION

KanexPro®

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.

MPN: SP-HDBT1X4

MPN: EXT-HDBT70MRX

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 **EXT-HDBT70MRX** and equipped to run with Deneva software.
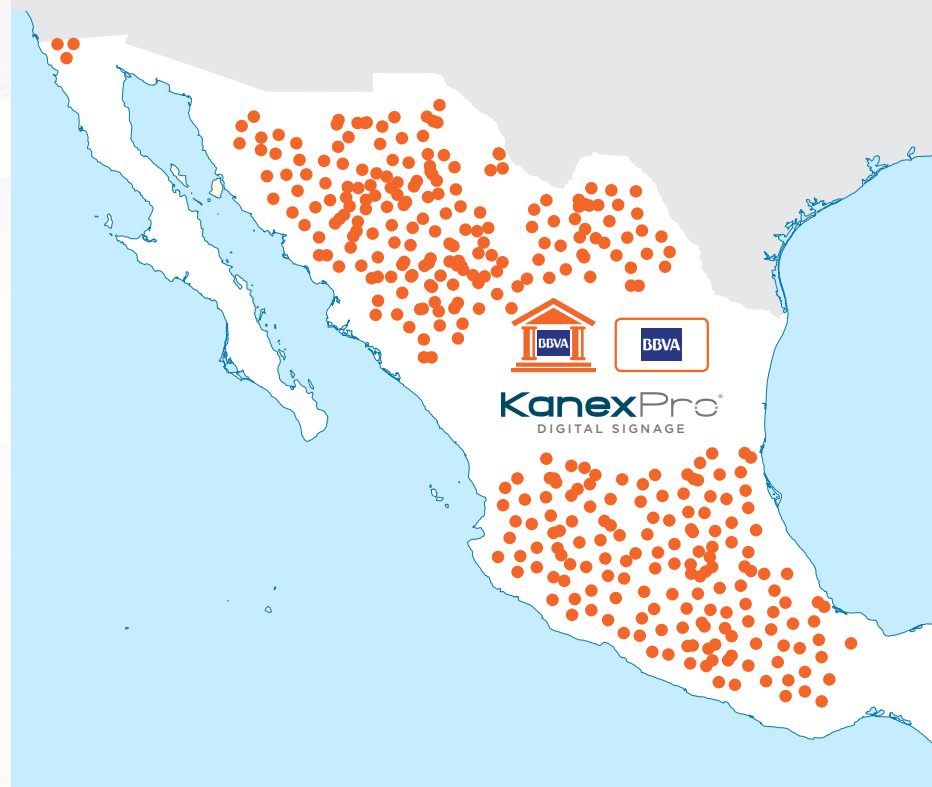
5000 DIGITAL SCREENS

2000 BBVA BANK LOCATION BARANCHES

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

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

KanexPro®

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.

DIGITAL SIGNAGE APPLICATION
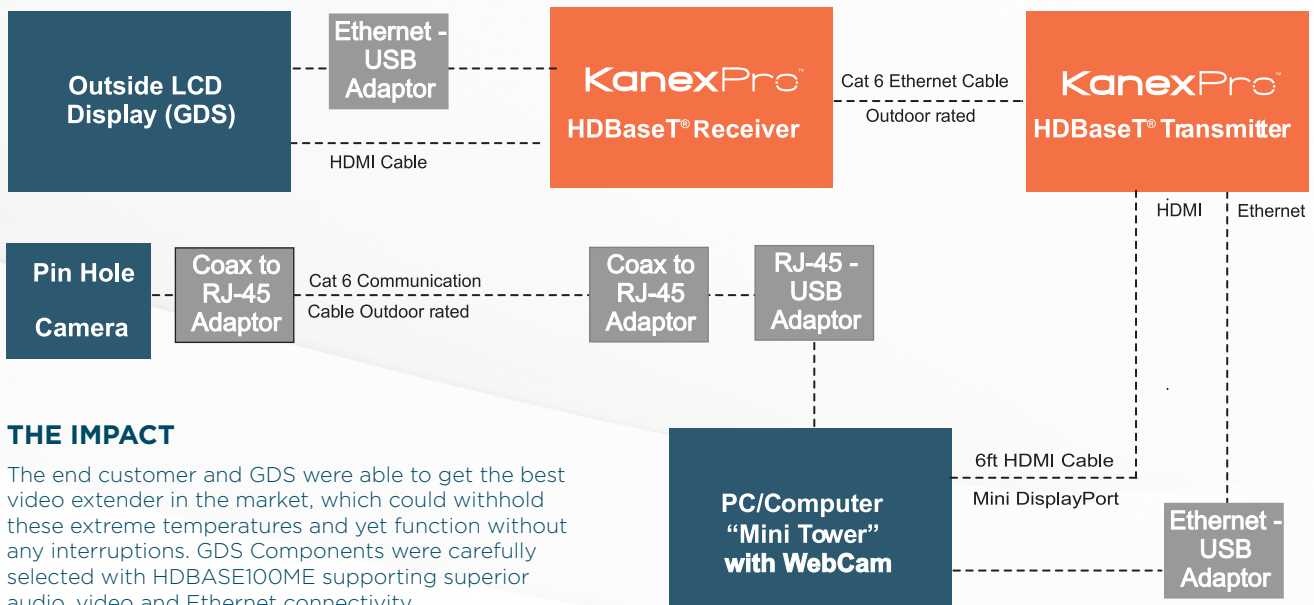
THE IMPACT

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

KanexPro®

scan for digital catalog

EDUCATION

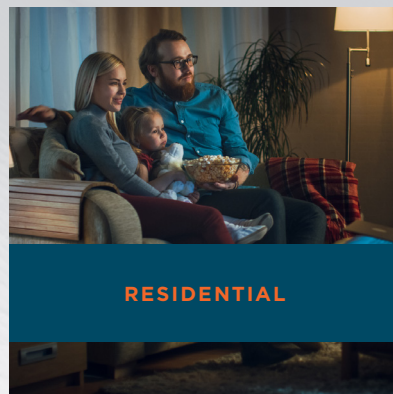**BROADCASTING**

RESIDENTIAL

HOUSE OF WORSHIP