

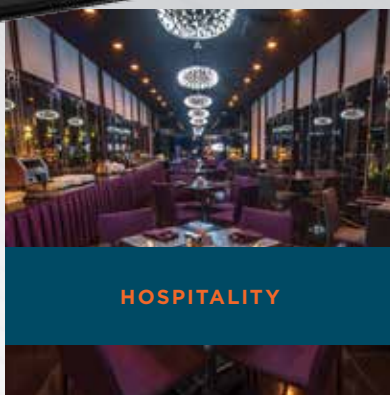
# KanexPro®

COMMERCIAL A/V SOLUTIONS

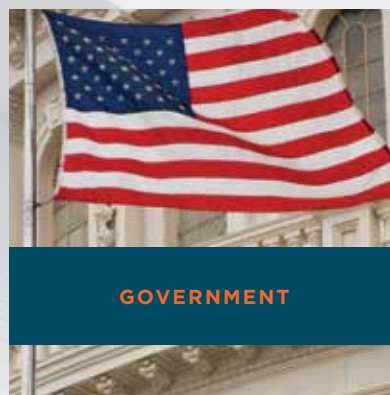
2017 v2



HEALTHCARE



HOSPITALITY



GOVERNMENT



DIGITAL SIGNAGE

KanexPro is a key solutions provider carrying a complete selection of professional audio-visual products. When planning digital installations you will find that we provide a broad line of A/V connectivity products enabling you to broadcast, extend, split, or multiply HD signal transmissions; simply and cost-effectively. KanexPro products have a 3-year warranty.



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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 HDBaseT™ Seamless Presentation Switcher & Scaler w/ 5 inputs

MPN: SW-HDSC5IHDBT

- 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



NEW 4K Multi-input 7x2 Presentation Scaler Switcher

MPN: HDSC71D4K

- 4K Multi-input 7x2 Presentation Scaler Switcher with HDBaseT
- Elite 4K scaling engine to support up-scaling & down-scaling
- Includes two HD-CLICKERS for Click-to-Show me your content
- Accepts 4K input resolutions 3840x2160@30Hz
- Native 4K input / output scaling
- Independent Audio Switching



NEW 4K HDMI Cable Controller

MPN: 4K-HDCLICKER  
MPN: 4K-DPCLICKER

- Pre-configured HDMI dongle for connecting one-end to a Laptop/PC
- Supports Click-to-show me function to display content on to the display
- Supports HDMI 1.4 revision up to 4K@30Hz for input & loop out
- Supports 1080p, 1920x1200 WUXGA resolutions
- Available in HDMI and DisplayPort interconnects
- Press & Hold "to select entire display



HDMI®

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



HDMI® 4K ULTRA HD

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



PoE HDBT™ HDMI® 4K ULTRA HD

LARGE SCALE A/V SWITCHERS

FLEXIBLE MODULAR MATRIX



HDCP 2.2   HDMI®   4K ULTRA HD   HDBT™

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.

NEW 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   HDBT™   HDMI®

LARGE SCALE A/V SWITCHER MODULES

FLEXIBLE MODULAR MATRIX MODULES

**NEW** 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](http://kanexpro.com).

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

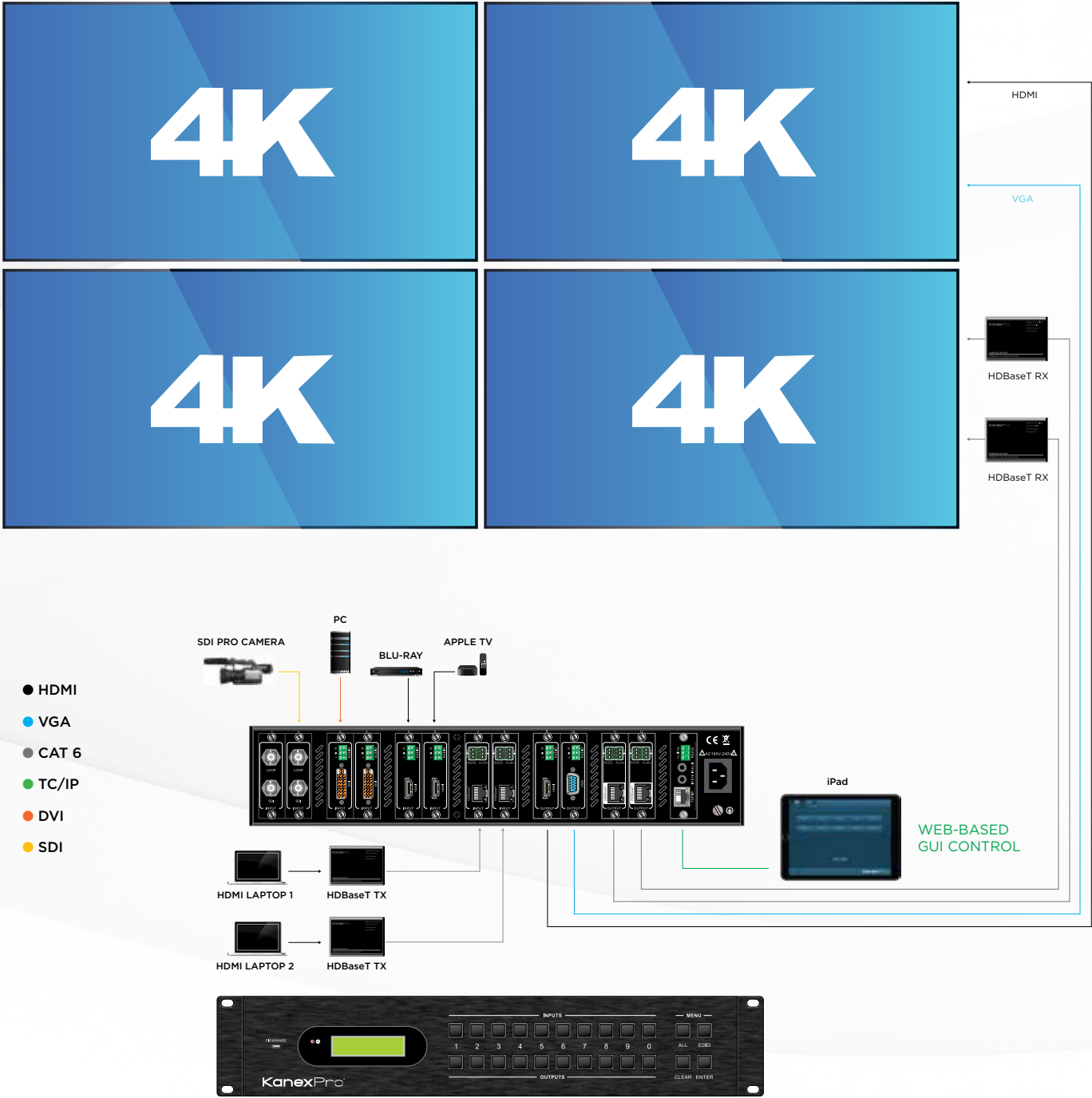
- Auto Detect Active Inputs and Outputs
- Seamless Switching



Custom Presets

- Multiple Preset Layouts
- Customized Labeling

FLEXIBLE MODULAR MATRIX DIAGRAM



LARGE SCALE A/V SWITCHERS

MODULAR MATRIX



Ideal for various commercial applications such as, control centers, smart lecture halls, medical imaging, government and residential environments where signal management and distribution of high-resolution video signals and audio is critical.



**4K UHD 64x64 Modular Matrix Switcher**  
MPN: HDMMX6464-4K



**4K UHD 32x32 Modular Matrix Switcher**  
MPN: HDMMX3232-4K



**4K UHD 16x16 Modular Matrix Switcher**  
MPN: HDMMX1616-4K



**4K UHD 8x8 Modular Matrix Switcher**  
MPN: HDMMX88-4K

SWITCHER MODULES

MODULAR MATRIX MODULES

Modular or card-based systems are prominently designed for future expandability up to 64x64. Supporting a variety of analog and digital signal types for switching and integration.



**4-Input 4K HDMI**  
MPN: MOD-IN-HDTV-4K



**4-Output 4K HDMI**  
MPN: MOD-OT-HDTV-4K



**4-Input CAT 6**  
MPN: MOD-IN-CAT-4K



**4-Output CAT 6**  
MPN: MOD-OT-CAT6-4K



**4-Input VGA**  
MPN: MOD-IN-VGA



**4-Output VGA**  
MPN: MOD-OT-VGA



**4-Input DVI**  
MPN: MOD-IN-DVI



**4-Output DVI**  
MPN: MOD-OT-DVI



**4-Input SDI**  
MPN: MOD-IN-SDI



**4-Output SDI**  
MPN: MOD-OT-SDI



**Fiber-Input**  
MPN: MOD-IN-FIBER-4K



**Fiber-Output**  
MPN: MOD-OT-FIBER-4K

SWITCHERS

HDMI 2.0 SERIES



UltraSlim 4K HDMI® 4x1 Switcher with 4:4:4 Sampling Color with HDR & High bandwidth up to 18 Gbps.



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.

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

MPN: SW-4X1SL18G

- UltraSlim 4K HDMI 4x1 switcher with Audio Extractor & ARC
- Supports YUC 4:4:4 color space w/ HDR
- 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



HDCP 2.2 HDMI® 4K HDR 18 Gbps

4x1 HDMI Switcher with Digital Audio & 4K

MPN: SW-HD4X1AUD4K

- Switch 4 inputs to one output with separate audio
- Supports 4K Ultra HD resolutions & 1080p HD
- HDCP & EDID compliant
- 3DTV Pass-through
- Up to 12-Bit Deep Color Support
- Dedicated, flexible audio input/output port
- Audio support: 3.5mm stereo & Toslink output
- Lip Sync pass-through



HDMI® 4K ULTRA HD

4K HDMI 5X1 Switcher

MPN: SW-HD20-5X14K

- Auto switch five HDMI sources to one 4K display
- 4K@60Hz UHD, 1080p & 3D resolutions
- 4Kx2K @30Hz with 24bit RGB, YCBCR 4:4:4 & YCBCR 4:2:2.
- 4Kx2K @60Hz with 12bit YCBCR 4:2:0
- Computer resolutions up to QSXGA@60Hz
- Supports 3D frame sequential video formats to 1080p @60Hz



HDCP 2.2 HDMI® 4K ULTRA HD

4K HDMI 3X1 Switcher

MPN: SW-HD20-3X14K

- Auto switch three HDMI sources to one 4K display
- 4K@60Hz UHD, 1080p & 3D resolutions
- 4Kx2K @30Hz with 24bit RGB, YCBCR 4:4:4 & YCBCR 4:2:2.
- 4Kx2K @60Hz with 12bit YCBCR 4:2:0
- Computer resolutions up to QSXGA@60Hz
- Supports 3D frame sequential video formats to 1080p @60Hz



HDCP 2.2 HDMI® 4K ULTRA HD

SWITCHERS

HDMI 2.0 MATRIX



**NEW** Ultra-Fast 8x8 HDMI Matrix Switcher with 4K/60Hz

MPN: HDMX88-18G

- Cross-switch 8HDMI inputs to 8 HDMI outputs with 4K @60Hz
- 8-independent S/PDIF audio for Audio De-embedding from HDMI
- Distribute 4Kx2K@60Hz signal up to 15m
- Supports standard 1080p & WUXGA resolutions up to 2560x1080@60Hz
- HDCP 2.2 Compliant
- Smart EDID DIP switch for proper display output



HDCP 2.2    HDMI®    4K ULTRA HD

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

MPN: HDMX44-18G

- Cross-switch 4 HDMI inputs to 4 HDMI outputs with 4K @60Hz
- Four independent S/PDIF audio for Audio De-embedding from HDMI
- Distribute 4Kx2K@60Hz signal up to 15m
- Supports standard 1080p & WUXGA resolutions up to 2560x1080@60Hz
- HDCP 2.2 Compliant
- Smart EDID DIP switch for proper display output



HDCP 2.2    HDMI®    4K ULTRA HD

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    HDBT™    HDMI®    4K ULTRA HD

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**



HDBT™    HDMI®    4K ULTRA HD

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 HDBaseT.

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

4K UHD 1x8 HDMI Distribution Amplifier

MPN: HDSP184K

- Distribute 4K HDMI video and audio signals to up to eight 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
- HDMI audio: LPCM 7.1CH, Dolby TrueHD & DTS-HD Master Audio



HDCP 2.2   HDMI®   4K ULTRA HD

4K UHD 1x16 HDMI Distribution Amplifier

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: HDBASE70POER



PoE   CHDBT™   HDMI®   4K ULTRA HD

EXTENDERS

HDBASET™



HDBaseT® extenders are for whole-home and commercial distribution of uncompressed HD 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

Professional HDBaseT™ Repeater with 1x2 DA & Loop Out

MPN: EXT-HDRPT100M

- Extend 4K UHD Video & Audio up to 70m over HDBaseT
- Enables HDBaseT Loop IN/OUT function
- Built-in 1x2 HDMI Splitter
- 4:4:4 Sampling Rate @ 10 bit
- Distribute 4Kx2K@24, 30Hz, 50 & 60Hz
- Supports standard 1080p & WUXGA
- **Requires HDBASE70POET Transmitter for the HDMI Source**



HDBT™ 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 HDBASE70POER Receiver**



HDBT™ PoE HDMI® 4K ULTRA-HD

HDBaseT™ Lite 70M - HDMI® Sender Only Over Single CAT6

MPN: HDBASE70POET

- HDBASE70POET-Sender Only
- Extend HDMI/DVI signals over single CAT6a cable
- Supports resolutions from 1080p/60@48bit to 4Kx2K
- Supports all 3D formats
- High bandwidth up to 10.2 Gbps
- HDCP & EDID compliant
- Bi-directional RS -232 protocol
- Bi-directional IR control



HDBT™ PoE HDMI® 4K ULTRA-HD

HDBaseT™ 70M - HDMI® Receiver Only Over Single CAT6

MPN: HDBASE70POER

- HDBASE70POER-Receiver Only
- Extend HDMI/DVI signals over single CATx cable
- Supports resolutions from 1080p/60@48bit to 4Kx2K
- Supports all 3D formats
- High bandwidth up to 10.2 Gbps
- HDCP & EDID compliant
- Bi-directional RS-232 protocol



HDBT™ PoE HDMI® 4K ULTRA-HD

EXTENDERS

AV OVER IP



AV over IP is sending compressed or uncompressed audio and video information over standard Ethernet network. From H.264 to MJPEG compression technologies, we offer low-latency with high quality IP extension solutions for all applications in the Pro AV space.

**NEW 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



**NEW 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



**NEW 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



**HDMI Extender over CAT6 - 60 Meter**

MPN: EXT-HD60M

- Extend DVI/HDMI over CAT6 cable up to 196ft. (60m)
- Local HDMI output on Transmitter for preview
- Supports full HD 1080p (1920x1080@60Hz)
- Digital audio support
- HDCP & EDID compliant
- Full IR control over CAT6
- Supports 16-bit per channel (48-bit all channels)



HDMI®

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-HDSXPRO

- 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 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
- Compact & rugged housing
- Locking power supply & mounting ears
- Micro-USB Port for firmware update



PRO SERIES 3G HD-SDI HD1080p

3Gb/s SDI 2X1 Switcher

MPN: SW-SDI2X1

- Get the highest quality 3G-SDI distribution
- Supports multiple video resolutions
- SDI 480i, 525i, 625i
- HD: 720p 24, 25,30,50 & 60 Hz.
- HD: 1080i 50 & 60 Hz.
- HD: 1080p 24, 25,30, 50 & 60 Hz.
- Supports multiple Color Space: RGB or YCbCr 4:4:4 sampling
- Support for YCbCr: 4:2:2 or 4:2:0 sampling
- Data rates up to 2.97 Gbps
- Supports 8 bit, 10 bit & 12 bit color depth
- 3G Mode (1080p/60) length support - up to 80m
- SDI Input cable length support - up to 300m



3G HD-SDI HD1080p

3Gb/s SDI4X1 Switcher

MPN: SW-SDI4X1

- Get the highest quality 3G-SDI Switching
- Supports multiple video resolutions
- SDI 480i, 525i, 625i
- HD: 720p 24, 25,30,50 & 60 Hz.
- HD: 1080i 50 & 60 Hz.
- HD: 1080p 24, 25,30, 50 & 60 Hz.
- Memory function recalls last input after restart
- Supports multiple Color Space: RGB or YCbCr 4:4:4 sampling
- Support for YCbCr: 4:2:2 or 4:2:0 sampling
- Data rates up to 2.97 Gbps
- Supports 8 bit, 10 bit & 12 bit color depth
- 3G Mode (1080p/60) length support - up to 80m
- SDI Input cable length support - up to 300m



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)
- Supports Multiple Color Space: RGB or YCbCr 4:4:4 sampling
- Support for YCbCr: 4:2:2 sampling
- Data rates up to 3 Gbps
- Color Depth Support: 8 bit, 10 bit & 12 bit



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)
- Supports Multiple Color Space: RGB or YCbCr 4:4:4 sampling
- Support for YCbCr: 4:2:2 sampling
- Data rates up to 3 Gbps
- Color Depth Support: 8 bit, 10 bit & 12 bit



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
- Simultaneous display with SDI /VGA signals
- Alternative audio output to analog 2CH stereo
- Data rates up to 3 Gbps
- SDI Input cable length support - up to 300m
- HD mode length up to: 200m
- Capable of cascading to multiple units
- Automatic detection of SD, HD and 3 Gb/s SDI standards
- Compact in size, perfect for mobile broadcasting units



3G HD-SDI HD1080p

# AUDIO EXTRACTORS & AMPLIFIERS



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.

## 4K HDMI Audio Decoder with Dolby®

MPN: CON-AUDXTRACT

- De-embeds HDMI audio output simultaneously to Stereo and S/PDIF
- Converts 2CH from 24-bit up to 192 kHz audio
- HDCP 2.2 compliant
- Supports 3D & CEC pass-through
- Supports selectable audio through switching
- Audio: 2.0CH/5.1CH selection through
- HD resolution to full 1080p/60
- Supports data rates up to 6.75Gbps
- Automatic cable input equalization
- Supports Color Depth up to 12-bit per channel (36-bit all channels)
- Supports uncompressed audio such as LPCM
- Supports compressed audio such as DTS Digital, Dolby Digital



HDCP 2.2   HDMI®   4K ULTRAHD

## NEW 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



## 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)



CONTROL

PANELS

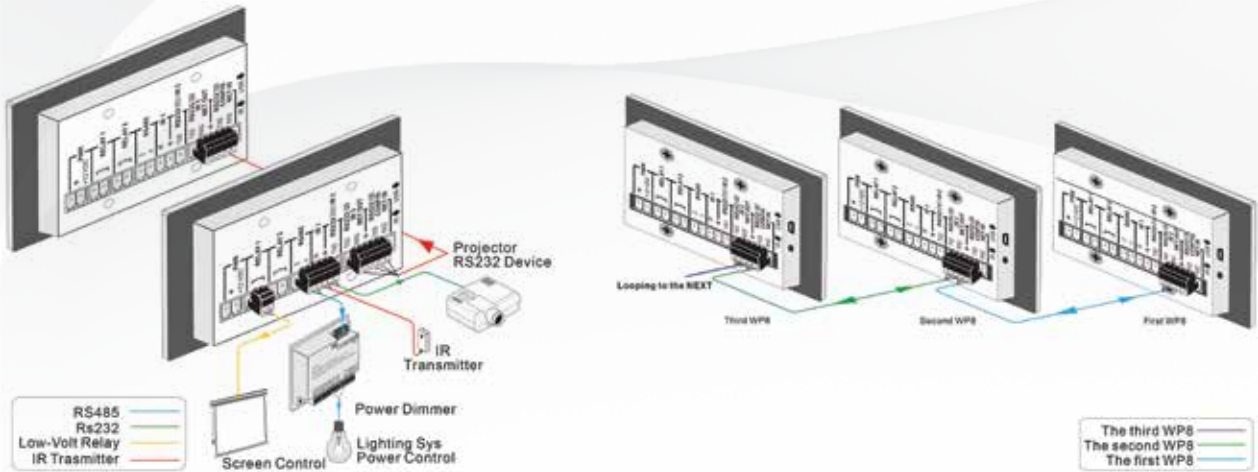


Control Panel with 8 - Programmable Buttons

Easy-to-use Control Panel Wall Plate for conference rooms, demo- halls & classrooms.

BLACK — MPN: WP-CONTROLB  
SILVER — MPN: WP-CONTROLS

- One gang size
- Back lit buttons
- Multiple IR, RS-232, RS-485 & relay controls
- Customizable / changeable labels – included
- Supports IR, time delay, page, toggle settings
- ID Looping function up to 99 control
- Firmware update via USB



CABLES

HDMI



**NEW 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

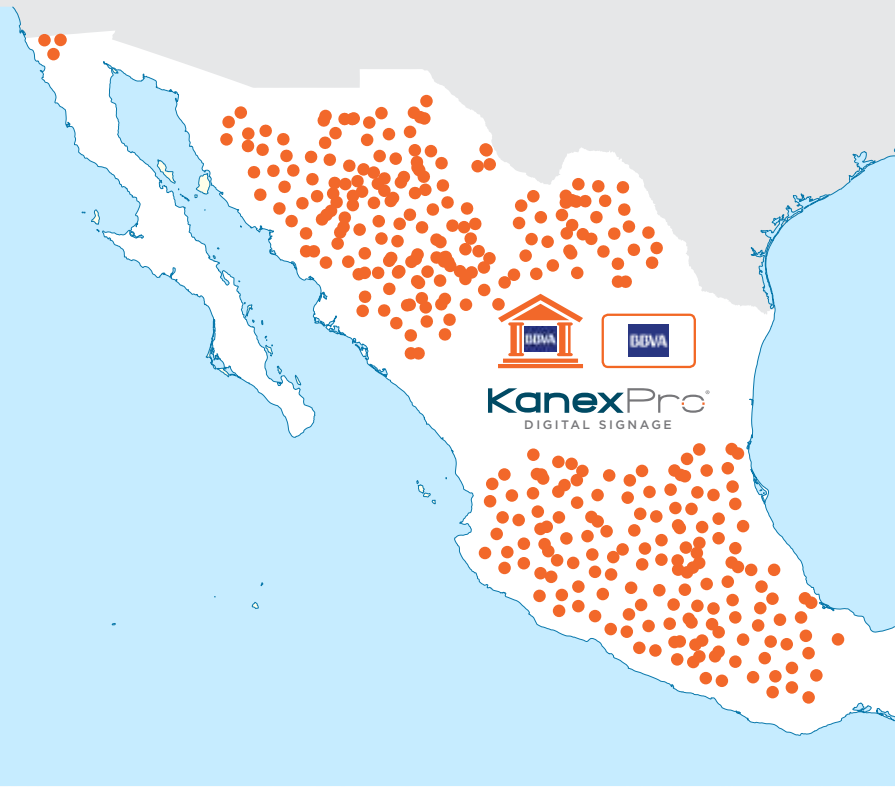
The solution proposed by Kolo DS integrated was the KanexPro **SP-HDBTIX4** – a professional HDBaseT™ Distribution amplifier with one HDMI input and four HDBaseT outputs and a local HDMI output for daisy chaining or local monitor support, the DA is powered over Ethernet (PoE) extending uncompressed HDMI 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

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



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.

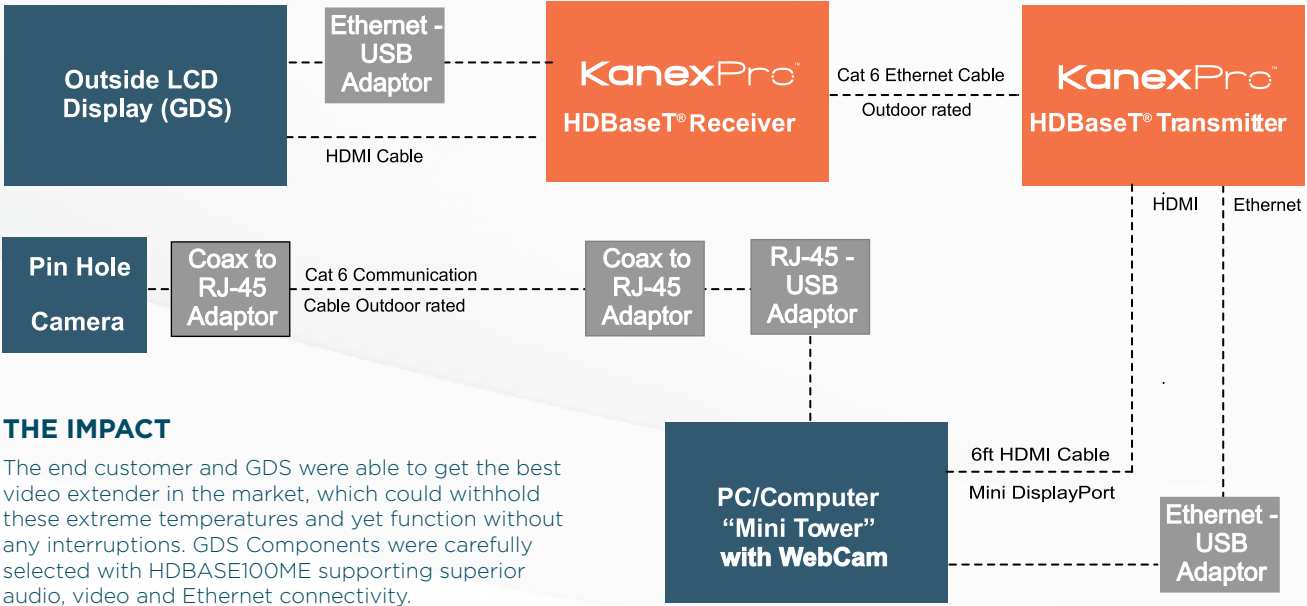
The KanexPro HDBaseT Extender is a transmitter/receiver set that enables you to route ultra high-definition signals up to 330 feet (100 meters). It features two ethernet ports on both units to connect standard network devices, such as 100Base-T routers, switches and hubs for LAN access. It also features 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.



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