EVOLUTION

BY VANCO
ADVANCING DIGITAL CONNECTIVITY

PREMIUM AUDIO VIDEO DISTRIBUTION PRODUCTS

Q1/Q2 2019

VANCO1.COM

MADE FOR AV DISTRIBUTION

TABLE OF CONTENTS

EVO-IP HDMI® OVER IP
SYSTEM

The EVO-IP HDMI over IP system delivers the ability to manage, transmit, and receive audio/video signals and control hundreds of devices over a local network. EVO-IP is fully customizable, easy to design, integrate and install. It transmits virtually lossless 4K@60Hz, 4:4:4, HDR, HDCP 2.2 video, audio, and IR/RS232 control as a point-to-point, splitter, switch, matrix and/or video wall solution. Each product is sold separately.

Transmitter (part # EVOIPTX1)

Receiver (part # EVOIPRX1)

Control Box (part # EVOIPCTL1)
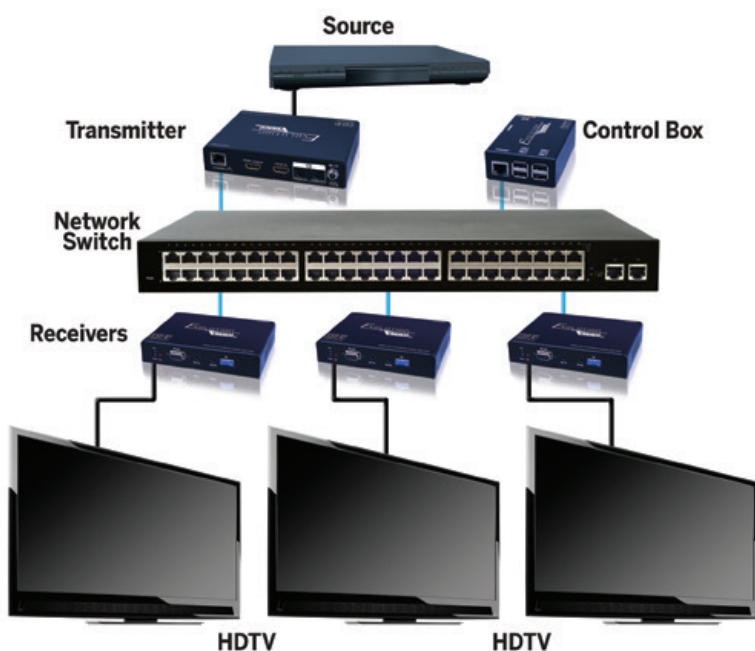
EVO-IP HDMI® OVER IP
CONTROL BOX

- Easy GUI automatically detects new devices in the system
- Customizable labels and names of sources and displays
- Setup through the GUI can be done without a computer
- HDMI Output for easy access to network information
- USB Ports Reserved for Future Use
- Upscale to 4K@30Hz or downscale to 720p
- EDID preset/learning
- Video Wall mode supports configurations up to 25 displays
- OSD mode to display text, pictures, or logos on the screen
- Great for digital signage
- Connects to the cloud to schedule events or to troubleshoot a situation remotely
- Able to be controlled with Alexa enabled products
- Dimensions: 3.4" W x 3" H x 1" D

PACKAGE CONTENTS

EVOIPCTL1 Control Box

5V Power supply

Set of mounting ears/screws

Product Manual

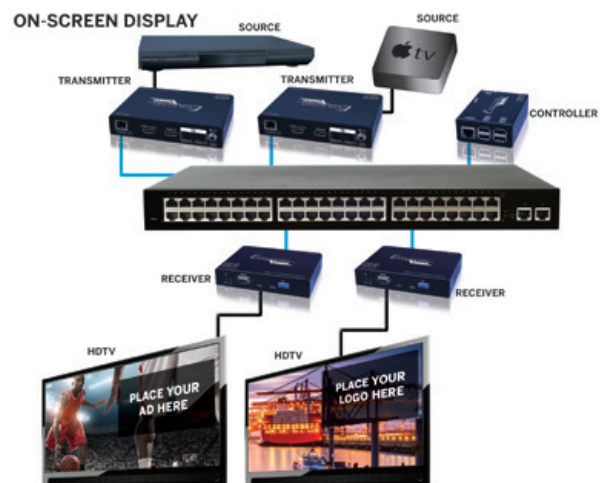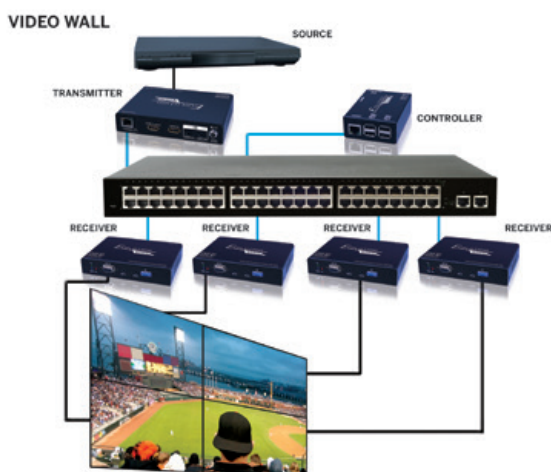| PART NO.	PKG.
EVOIPCTL1	Pkgd

EVO-IP HDMI® OVER IP
TRANSMITTER

- Supports 4K@60Hz, 4:4:4 chroma
- System can support over 1000 transmitters and receivers
- HDR10 and Dolby Vision compatible
- Dolby/DTS/PCM audio formats supported
- HDCP 2.2/1.4
- POE or can be powered using provided power supply
- Manual dip switch configurable for a truly IP-Less installation
- Easy GUI automatically detects new devices in the system
- Customizable labels and names of sources and displays
- Setup through the GUI can be done without a computer
- Analog and Digital audio breakouts on TX and RX
- HDMI Loop-out for cascading or monitoring
- Upscale to 4K@30Hz or downscale to 720p
- EDID preset/learning
- Video Wall mode supports configurations up to 25 displays
- OSD mode to display text, pictures, or logos on the screen
- Great for digital signage
- Connects to the cloud to schedule events or to troubleshoot a situation remotely
- Able to be controlled with Alexa enabled products
- Dimensions: 5.5" W x 3.8" H x 1" D

PACKAGE CONTENTS

EVOIPTX1 Transmitter

5V Power supply

Set of mounting ears/screws

Product Manual

PART NO.	PKG.
EVOIPTX1	Pkgd

VIDEO WALL

ON-SCREEN DISPLAY

EVO-IP HDMI® OVER IP
RECEIVER

- Supports 4K@60Hz, 4:4:4 chroma
- System can support over 1000 transmitters and receivers
- HDR10 and Dolby Vision compatible
- Dolby/DTS/PCM audio formats supported
- HDCP 2.2/1.4
- POE or can be powered using provided power supply
- Manual dip switch configurable for a truly IP-Less installation
- Easy GUI automatically detects new devices in the system
- Customizable labels and names of sources and displays
- Setup through the GUI can be done without a computer
- Analog and Digital audio breakouts on TX and RX
- Upscale to 4K@30Hz or downscale to 720p
- EDID preset/learning
- Video Wall mode supports configurations up to 25 displays
- OSD mode to display text, pictures, or logos on the screen
- Great for digital signage
- Connects to the cloud to schedule events or to troubleshoot a situation remotely
- Able to be controlled with Alexa enabled products
- Dimensions: 5.5" W x 3.8" H x 1" D

PACKAGE CONTENTS

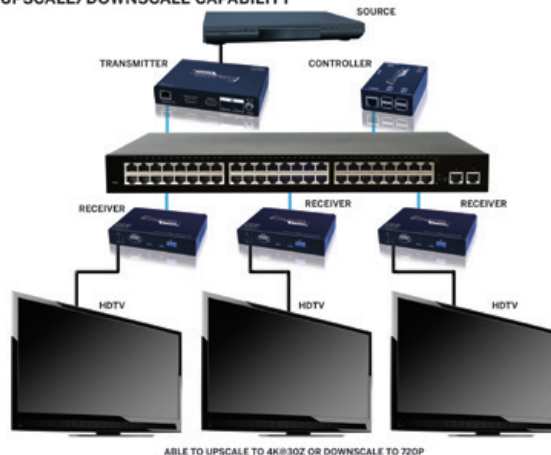EVOIPRX1 Receiver

5V Power supply

Set of mounting ears/screws

Product Manual

PART NO.	PKG.
EVOIPRX1	Pkgd

HDMI® OVER IP SYSTEM

MATRIX MODE

UPSCALE/DOWNSCALE CAPABILITY

ABLE TO UPSCALE TO 4K@30Z OR DOWNSCALE TO 720P

HDBASET™ 4K 16X16
MATRIX SELECTOR SWITCH

- 4K HDBaseT 16X16 Matrix Selector Switch that accommodates 16 HDMI inputs, 14 HDBaseT outputs with 2 HDMI outputs, and 16-analog audio outputs, with IR and RS-232 for control

- Supports up to 4K/60Hz 4:2:0

- Extends 4K signals up to 131ft/40m or 1080p signals up to 230ft/70m using HDBaseT outputs

- Features POH (Power over HDBaseT) technology, providing power to the receivers over Cat5e/6 resulting in easy installation – Receivers sold separately – Part # EVRXHD1 (page 10)

- HDCP 2.2 compatible, supports manual HDCP management

- Automatic and manual EDID management and EQ

- LCD screen shows real-time I/O connection status, switching status, HDCP status, and output resolution

- Controllable via touch-screen front panel, RS-232, IR and TCP/IP

- Supports bi-directional IR & RS-232 control

- Built-in GUI for TCP/IP control

- Rack-mount design

- Features off memory for reliable operation – input and output mapping is automatically stored and recalled when the unit is powered on and off and in the event of a power outage

- Features a Micro USB port for Firmware upgrades

- Easy installation with rack-mounting design

- Dimensions: 17.2" W x 3.5" H x 15.3" D

PACKAGE CONTENTS

EVMX4K16 16x16 Matrix

16 Wideband IR TX cables

17 Wideband IR RX cables

IR Remote

2 Mounting ears with screws

4 Plastic cushions with screws

16 Pluggable Terminal Blocks

RS-232 cable

Power Cord

Product Manual

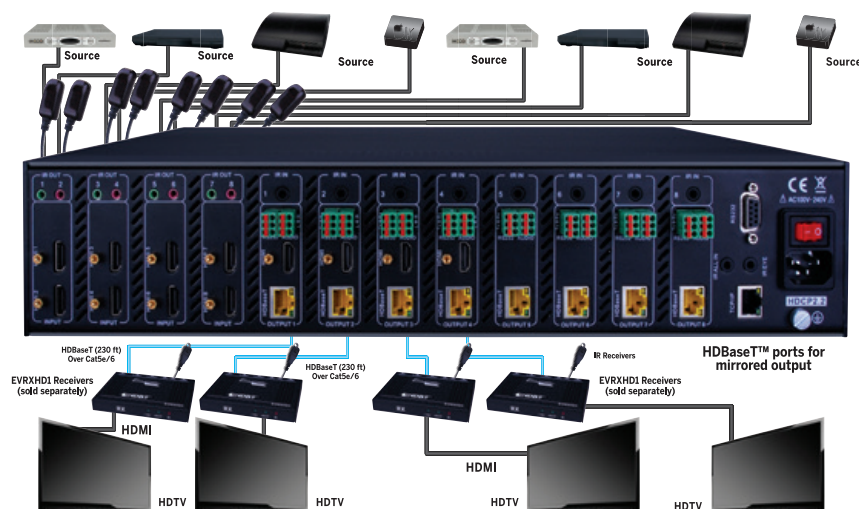| PART NO.	PKG.
EVMX4K16	Pkgd
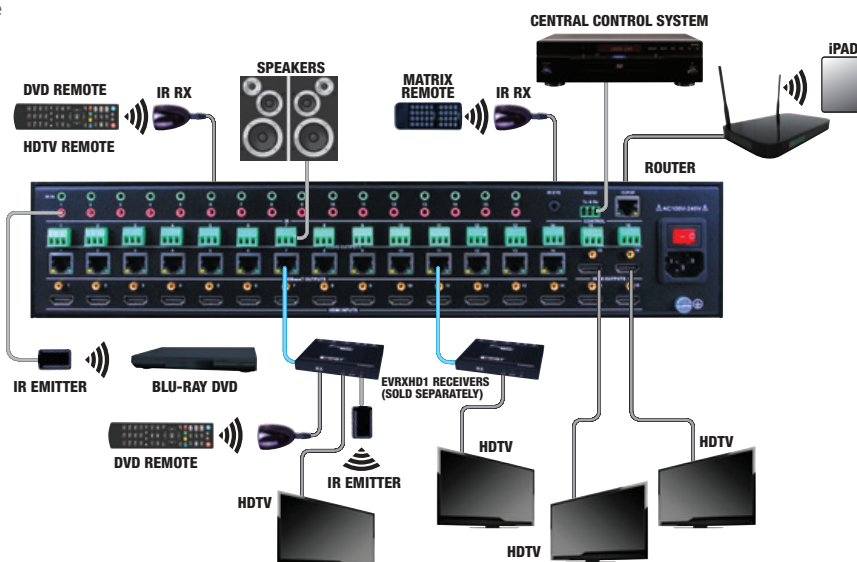
HDBASET™ 4K 8X8
MATRIX SELECTOR SWITCH

- 4K HDBaseT 8×8 Matrix Selector Switch that accommodates 8 HDMI inputs- 8 HDBaseT outputs with 4 mirrored HDMI outputs- and 8-analog audio outputs- with IR RS232 zone as well as IR- RS232 and IP control for the matrix
- Supports 4Kx2K @ 60Hz & 1080p 3D signals
- Transmits 4Kx2K signal for 26ft/8m via HDMI port and 131 ft/40m via HDBaseT port
- Transmits 1080p signal 230ft/70m via HDBaseT port
- Features POC (Power over Cable) technology- providing power for the receivers – Receivers sold separately- Part # EVRXHD1 (page 10)
- HDCP 2.2 compatible- supports manual HDCP management and auto-detecting
- Powerful EDID management and EQ
- LCD screen shows real-time I/O connection status- switching status- HDCP status- and output resolution
- Controllable via touch-screen front panel- RS232- IR and TCP/IP
- Supports bi-directional IR & RS232 control
- Built-in GUI for TCP/IP control
- Features off memory for reliable operation – input and output mapping is automatically stored and recalled when the unit is powered on and off and in the event of a power outage
- Features a Micro USB port for Firmware upgrades
- Easy installation with rack-mounting design
- Dimensions: 17.2" W x 3.5" H x 15.3" D

PACKAGE CONTENTS

EVMX4K08 8x8 Matrix

8 Wideband IR TX cables

9 Wideband IR RX cables

IR Remote

2 Mounting ears with screws

4 Plastic cushions with screws

16 Pluggable Terminal Blocks

RS-232 cable

Power Cord

Product Manual

| PART NO.	PKG.
EVMX4K08	Pkgd

HDBASET™ 4K 4X4
MATRIX SELECTOR SWITCH

- 4K HDBaseT 4×4 Matrix Selector Switch that accommodates 4 HDMI inputs- 4 HDBaseT outputs with 2 mirrored HDMI outputs- and 4-analog audio outputs- with IR RS232 zone as well as IR- RS232 and IP control for the matrix

- Supports 4Kx2K @ 60Hz & 1080p 3D signals

- Transmits 4Kx2K signal for 26ft/8m via HDMI port and 131 ft/40m via HDBaseT port

- Transmits 1080p signal 230ft/70m via HDBaseT port

- Features POC (Power over Cable) technology- providing power for the receivers – Receivers sold separately- Part # EVRXHD1 (page 10)

- HDCP 2.2 compatible- supports manual HDCP management and auto-detecting

- Powerful EDID management and EQ

- LCD screen shows real-time I/O connection status- switching status- HDCP status- and output resolution

- Controllable via touch-screen front panel- RS232- IR and TCP/IP

- Supports bi-directional IR & RS232 control

- Built-in GUI for TCP/IP control

- Input and Output mapping is automatically stored and recalled when the unit is powered on and off and in the event of a power outage

- Features a Micro USB port for Firmware upgrades

- Easy installation with rack-mounting design

- Dimensions: 17.2" W x 1.7" H x 9.25"

PACKAGE CONTENTS

EVMX4K04 Matrix

5 Wideband IR TX cables

4 Wideband IR RX cables

RS-232 cable

IR Remote

Power Adapter DC 24 V 2.5 A

Rack mounting ear set

8 Pluggable Terminal Blocks

Product Manual

| PART NO.	PKG.
EVMX4K04	Pkgd
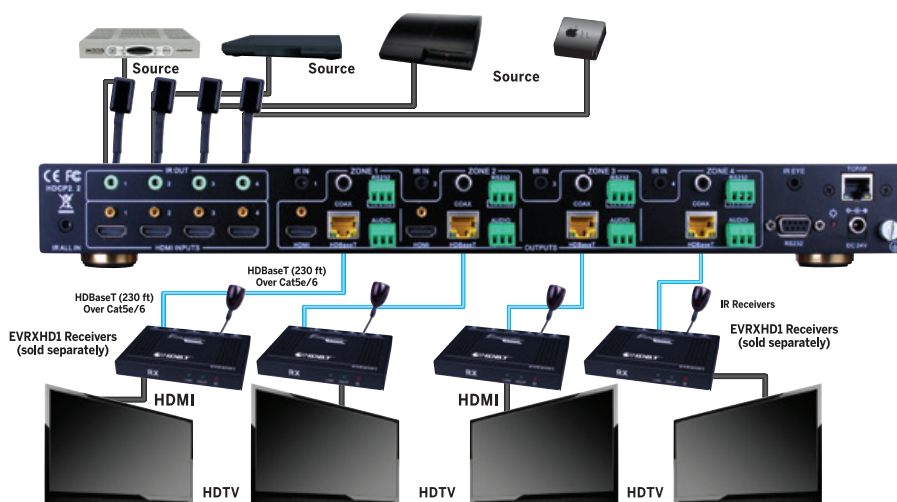
HDBASET™ 4X4
MATRIX SELECTOR SWITCH

- Allows up to 4 HDMI sources to be distributed simultaneously to up to 4 displays
- 4 additional HDMI outputs for flexibility or mirroring capability; allows for connection of up to 8 displays or the ability to create a larger distribution system by cascading or daisy chaining
- HDBaseT Technology that supports HDMI Deep Color- 3D- and up to 1080p High Definition resolution
- Supports Power Over Ethernet (PoE) which integrates power into the Cat5e/Cat6 cable- requiring no power supply for receiving unit. Receivers sold separately- Part # EVRX3000 (page 10)
- Receivers feature LED indicators for clear power and video signal selection
- Transmission Range: Extends 1080p resolutions up to 230ft/70m
- Features EDID management which supports default HDMI EDID and has the ability to learn the EDID of display equipment for any "handshake" issues via RS-232 connectivity
- HDCP Compliant
- Supports HDMI Deep Color and 3D
- Supports 7.1 channel digital audio
- Wideband IR pass-through (20kHz to 60 kHz)
- Choose from 5 switching modes – front panel buttons- Local remote control- RS-232 control- IR call-back (dedicated IR extension cable connected to IR extension port- and IR emitters on sources required)- and IP control utilizing smartphone or tablet via LAN
- 24V 3.75A DC- UL Listed Power supply for 4×4 matrix
- Dimensions: 17.32" W x 1.69" H x 7.96" D

PACKAGE CONTENTS

EVMX4004 4x4 Matrix

(5) IR Receiver (RX)

(4) IR Blaster (TX)

(1) DC 24V3.75A power supply

(1) Rack-mounting ear set

(1) Installation software CD

(1) IR remote control

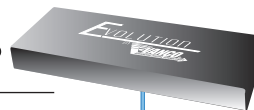Product Manual

PART NO.	PKG.
EVMX4004	Pkgd
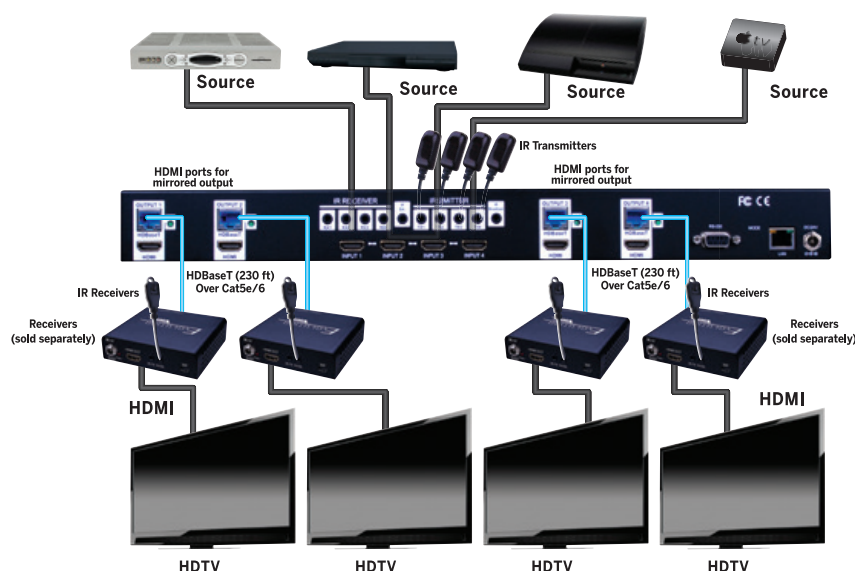
CERTIFIED HDBASET™
POH RECEIVER

- HDBaseT receiver to use with the following part numbers: EVMX4K16, EVMX4K08 and EVMX4K04
- Ultra-thin .6" (16mm) design
- Resolutions up to 4Kx2K/60Hz
- HDCP 2.2 compliant
- Maximum transmission distance is up to 131ft/40m for 4Kx2K, 230ft/70m for 1080p
- Features Power over HDBaseT (POH) when connected to POH, POC or POE supported products
- High bandwidth: 10.2Gbps
- Supports IR/RS232 pass-through
- LED indicators show work status
- Dimensions: 4.3" W x 3.25" H x 0.75" D

Evolution Series
HDBaseT Matrix
(Sold Seperately)

HDTV

IR Receiver

IR Transmitter

HDMI

HDBaseT over Cat5e/6

PACKAGE CONTENTS

EVRXHD1 Receiver

Mounting ears and screws

RS232 cable
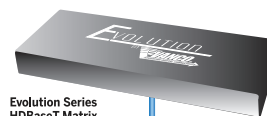
Product Manual

PART NO.	PKG.
EVRXHD1	Pkgd

HDBASET™
RECEIVER 230FT/70M

- HDBaseT receiver to use with part number EVMX4004
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/6, allowing for Receiver to be powered without the use of a power supply
- HDBaseT Technology that supports HDMI Deep Color, 3D, and up to 4K2K resolution @ 30hZ
- Transmission Range: Extends 1080p resolutions up to 230ft/70m over a single Cat5e/6 cable and 2160p/30hZ (4K2K) resolutions up to 131ft/40m
- HDCP Compliant
- EDID pass through
- CEC support
- Auto equalization
- Pure unaltered uncompressed 7.1ch digital HDMI over Cat.5/5e/6 cable transmission
- DTS-HD Master Audio and Dolby TrueHD high bit rate audio support
- Wideband IR signal from 20KHz to 60KHz
- Bi-directional IR pass-through
- Wall mountable housing design for a quick and easy installation
- Dimensions: 3.82" W x 1" H x 3.58" D

Evolution Series
HDBaseT Matrix
(Sold Seperately)

HDTV

IR Transmitter

IR Receiver

HDMI

Receiver

HDBaseT over Cat5e/6

PACKAGE CONTENTS

EVERX3000

IR Receiver (RX)

Mounting hardware

Product Manual

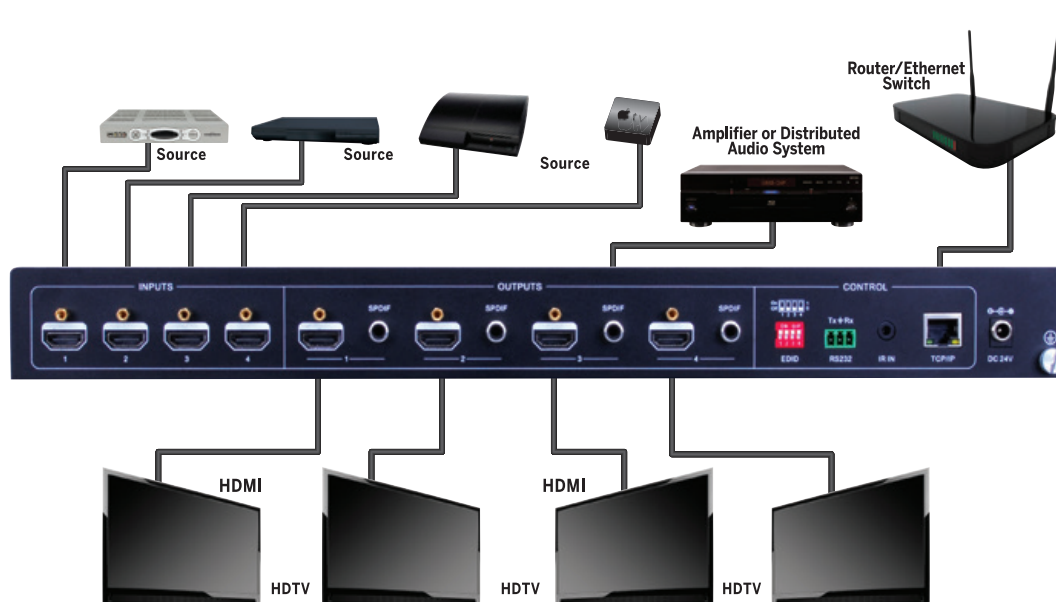| PART NO.	PKG.
EVRX3000	Pkgd

HDMI® 4K 4X4
MATRIX SELECTOR SWITCH

- Allows up to 4 HDMI sources to be distributed simultaneously to up to 4 displays
- Supports up to 4K@60Hz, 4:4:4, and HDR
- Supports both HDR10 and Dolby Vision
- HDCP 2.2/HDCP 1.4 compatible
- Supports Deep Color and 3D
- Supports DTS/DTS:X, Dolby Atmos and PCM Audio Formats
- 4 SPDIF ports provide de-embedded HDMI audio output
- EDID adjustment via RS-232 or manually adjustable
- RS-232, remote control and/or manual control for switching
- Power Supply: 24V DC, 1.25A
- Dimensions: 17" W x 1.5" H x 9.12" D

PACKAGE CONTENTS

EVMX4K44 4x4 Matrix

IR Remote

2 Mounting ears with screws

4 Plastic cushions with screws

RS-232 cable

IR Receiver

Power Supply (24V DC, 1.25A)

Product Manual

PART NO.	PKG.
EVMX4K44	Pkgd

HDMI®4X4
## MATRIX SELECTOR SWITCH WITH POE RECEIVERS

- Allows up to 4 HDMI sources to be distributed simultaneously to up to 4 displays
- 4 additional HDMI outputs for flexibility or mirroring capability; allows for connection of up to 8 displays or the ability to create a larger distribution system by cascading or daisy chaining
- Cat5e/Cat6 extender outputs support POE- No power supply is needed on the receiver end
- Transmission Range: Extends 1080p @ 60 Hz up to 164ft/50m over Cat5e/Cat6
- Automatically adjusts for EDID and EQ to allow for an easy plug and play solution and is controllable manually though the front panel- IR- IP- or RS232
- Quick Install kit provides the perfect solution for Home or Retail AV as well as Commercial and Hospitality installations with all necessary receivers and IR accessories included
- HDMI and HDCP Compliant
- Supports audio formats PCM- Dolby®-AC3- DTS®7.1- DSD
- 4×4 bi-directional IR matrix embedded with local and remote IR control
- Auto restores last power-off matrix
- Advanced protection against ESD- EMI- and RFI
- Dimensions: 13.3" W x 1.8" H x 5.9" D

PACKAGE CONTENTS

EVMX44QI 4x4 Matrix

4 EVRX2006 Receivers

4 Wideband IR Tx cables

4 Wideband IR Rx cables

IR Remote

12V/3A DC power supply

Product Manual

U.S. Patent No. 9,710,038 B1

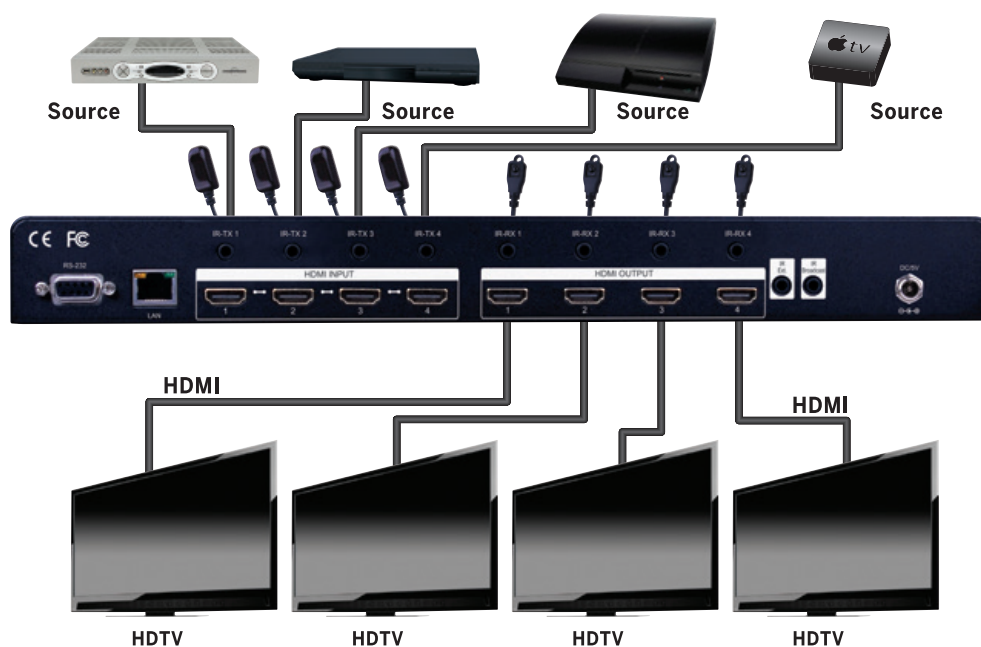| PART NO.	PKG.
EVMX44QI	Pkgd
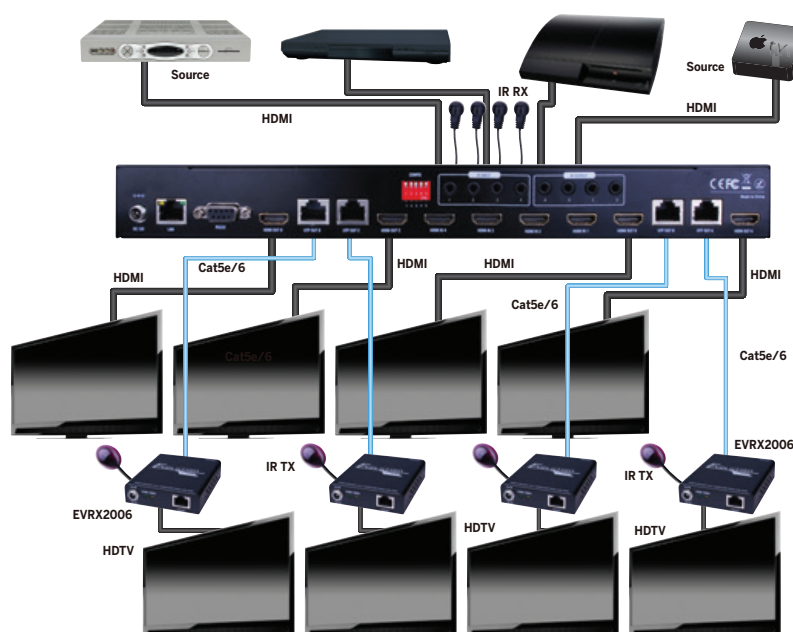
HDMI® 4X4
MATRIX SELECTOR SWITCH

- Allows up to 4 HDMI sources to be distributed simultaneously to up to 4 displays
- 1080p HD Matrix Switcher providing a perfect solution for Home or Retail AV as well as Commercial and Hospitality installations on a budget
- Features EDID management which supports default HDMI EDID and has the ability to learn the EDID of display equipment for any "handshake" issues
- HDCP Compliant
- Supports HDMI Deep Color and 3D
- Supports 7.1 channel digital audio
- Wideband bi-directional IR pass-through (20 to 60 kHz)
- Choose from 5 switching modes – front panel buttons- Local remote control- RS232 control- IR call-back (dedicated IR extension cable connected to IR extension port- and IR emitters on sources required)- and Ethernet control
- Easy installation mounting ear hardware set included
- Dimensions: 14.6" W x 1.57"H x 4.65" D

PACKAGE CONTENTS

EVMX4K44 4x4 Matrix

IR Receiver (RX)

IR Blaster (TX)

DC 5V4A in-line with C7 power cord

Mounting Hardware

IR remote control

Installation software CD

Product Manual

| PART NO.	PKG.
EVMX4444	Pkgd

HDMI® 4K2K 4X2
COMPACT MATRIX SELECTOR SWITCH

- Allows up to 4 HDMI sources to be distributed simultaneously to up to 2 displays
- Ultra HD capable Matrix Switcher providing a perfect solution for Home or Retail AV as well as Commercial and Hospitality Installations
- Features EDID management which supports default HDMI EDID and has the ability to learn the EDID of display equipment for any "handshake" issues
- HDCP Compliant
- Supports 4K2K (2160p @ 30 Hz) Ultra High Definition Resolution
- Supports HDMI Deep Color and 3D
- Supports 7.1 channel digital audio
- Wideband bi-directional IR pass-through (IR Transmitters- IR Receivers and IR Remote Control Included)
- Compact design for easy installation- rack mounting ear set included
- Dimensions: 10.2" W x 1" H x 4.4" D

PACKAGE CONTENTS

EVMX4442 4x2 Matrix

3 IR Receiver (RX)

4 IR Blaster (TX)

DC 5V- 1A power supply

Mounting hardware

IR remote control

Product Manual

PART NO.	PKG.
EVMX4442	Pkgd
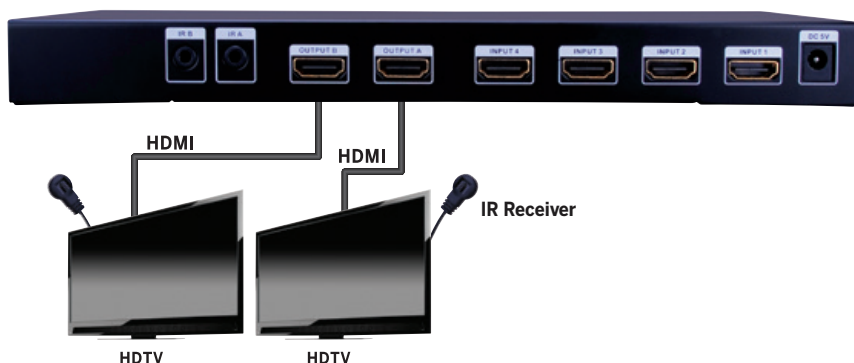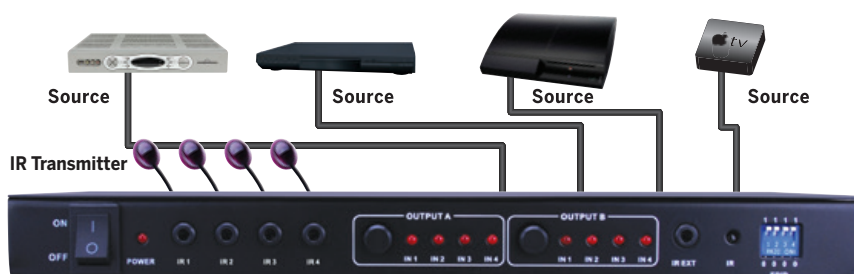
HDMI® 4X4 MULTI-FORMAT
MATRIX SELECTOR SWITCH WITH VIDEO WALL AND SEAMLESS MULTIVIEW

- High-performance matrix with multiple modes to produce seamless matrix switching- as well as having multiview- and video wall modes
- The switching mode of the matrix allows the speed of switching to be controlled allowing inputs to fade in and fade out
- Multiview mode allows all of the sources to be seen on the displays equally in Quad-view- or in PIP with a main source being larger than the other smaller sources
- Video Wall mode allows the matrix to be configured to fit a 2×2 video wall with vertical and horizontal adjustments to account for different sized display bezels
- Built-in scaler function to achieve a variety of formats to a unified output signal with embedding audio.
- Supports RS-232- remote control- on-panel control and TCP/IP Control
- HDMI1.3- DVI1.0- and HDCP Compliant
- Input video supports HDMI- VGA and C-video
- Supports input resolutions: HDMI: 480i to 1080p- VGA:1920 x 1080P@60Hz- 1360 x 768P@60Hz- 1280 x 1024P@60Hz- 1024 x 768P@60Hz- 1280 x 720P@60Hz- 1280 x 768P@60Hz- 800 x 600@60Hz- 640 x 480P@60Hz- CV: Supports PAL- NTSC3.58- NTSC4.43- SECAM- PAL/M- PAL/N standard TV formats
- Supports smart EDID management
- Picture Adjustment Settings
- Automatically adjust the VGA and Composite video input
- Supports power-off memory
- Dimensions: 17.32" W x 1.75" H x 7.87" D

PACKAGE CONTENTS

EVMX44SL 4x4 Matrix

4 Wideband IR Tx cables

5 Wideband IR Rx cables

Mixed Matrix IR Remote

12V/2.5A DC power supply

2 Mounting ears

RS232 cable

Product Manual

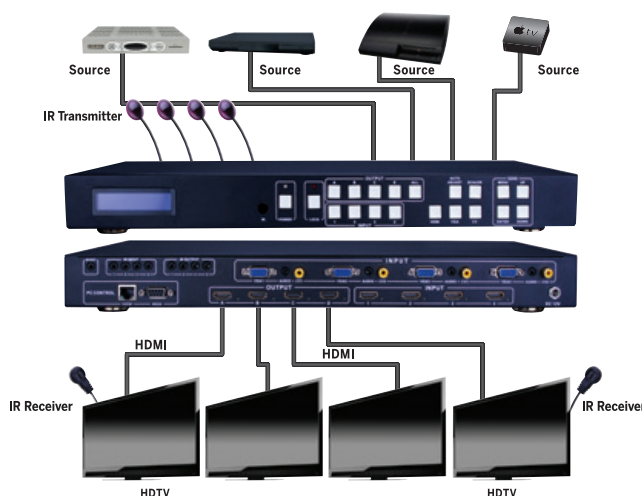| PART NO.	PKG.
EVMX44SL	Pkgd

Powerful Video Wall Feature!

4 Sources to 1 screen!

Great for digital signage!

Source   Source   Source   Source

IR Transmitter

HDMI   HDMI

IR Receiver   IR Receiver

HDTV   HDTV

1X4 MULTI-FORMAT VIDEO WALL PROCESSOR
WITH HDMI® LOOP-OUT

- HDMI 1×4 Video Wall Processor with Additional HDMI Loop-out for creating larger video wall solutions
- Multi-format functionality supports CVBS/VGA/HDMI inputs and USB for video- picture and music playback
- A single unit is capable of creating vertical and horizontal video walls in a number of different configurations and is able to be cascaded into additional units for even larger video wall systems
- Horizontal and vertical bezel correction
- Supports output resolutions up to 1080p@60Hz
- Supports IR- TCP/IP- and RS232 controls
- Compliant with HDMI1.3a- DVI1.0
- HDCP 1.4
- VGA/USB/CVBS support PCM audio; HDMI supports LPCM- Dolby- and DTS audio formats
- Automatic EDID with outputs able to be scaled to: 1024×768- 1360×768- 1080p- and 720p
- De-interlaced video for improved standard definition content
- Dimensions: 9.8" W x 1.25" H x 4.6" D

PACKAGE CONTENTS

EVSP14VW 1x4 Video Wall Processor

IR Receiver (RX)

RS-232 Cable

IR Remote

DC 12V/2.5A Power Supply

Product Manual

| PART NO.	PKG.
EVSP14VW	Pkgd

HDMI® 4X1
SELECTOR SWITCH WITH SEAMLESS SWITCHING AND MULTIVIEW

- High performance 4 x 1 HDMI switcher with Quad-View- Picture-in-Picture (PIP) capabilities and seamless switching
- Supports four HDMI inputs which can be displayed on one screen either equally in Quad-View mode or with a larger main source in PIP mode
- Control through the front panel button control- IR control- and RS232 control
- IR system allowing for control of source(s) at display end
- HDMI 1.3a and HDCP Compliant
- Supports up to 1080p High Definition resolution
- Up/down scaler functionality
- Support digital audio format LPCM/AC3/DTS
- Coaxial Audio breakout
- Dimensions: 9.84" W x 1.25" H x 4.64" D

PACKAGE CONTENTS

EVSW1040 4x1 Switch

4 Wideband IR TX cables

Wideband IR RX cable

Remote Control

12V/2.5A DC power supply

RS-232 Cable

Product Manual

PART NO.	PKG.
EVSW1040	Pkgd

4 Sources to 1 screen!
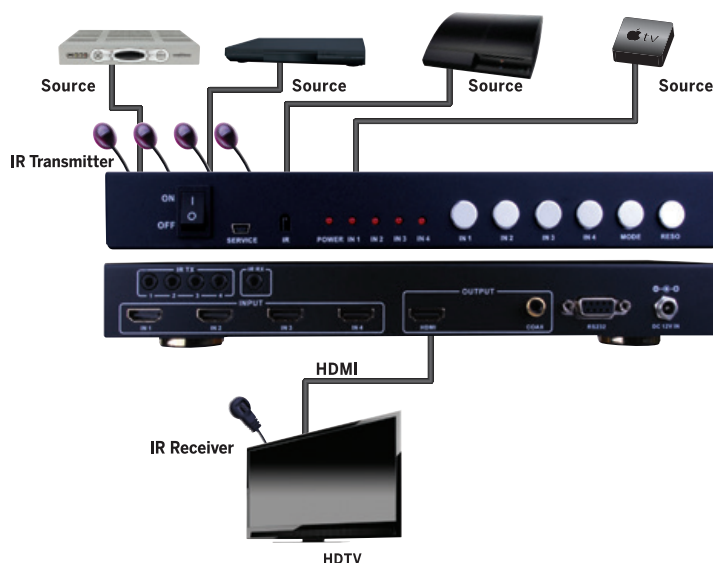
Great for digital signage!

HDMI® 2X1 SWITCH
WITH MULTIVIEW AND PIP

- Multiview 2×1 HDMI switcher that allows both sources to be displayed simultaneously
- Two multiview modes available
- Capable of passing and scaling 16:9 and 4:3 aspect ratios
- Side-by-side and PIP viewing options
- Output can be scaled to 6 different resolutions: 1080p- 720p- 1080i- 1024×768- and 1360×768
- Supports multiple output resolutions in PIP mode
- Compatible with LPCM- Dolby and DTS audio formats
- Dimensions: 5.5" W x 1" H x 2.75" D

PACKAGE CONTENTS

EVSW21MV 2x1 Switch

5V DC Power Supply

IR Remote Control

RS-232 Serial Cable

Product Manual
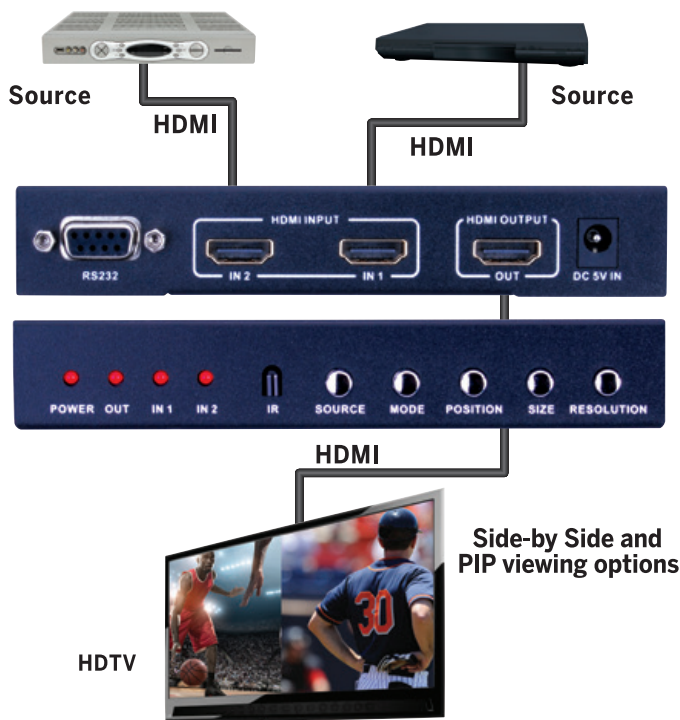
PART NO.	PKG.
EVSW21MV	Pkgd

Source

HDMI

Source

HDMI

HDMI

Side-by Side and PIP viewing options

HDTV

HDMI® 1X7 SPLITTER
OVER CAT5E/CAT6 CABLE WITH ADDITIONAL HDMI® OUTPUT

- Allows 1 HDMI source to be displayed on up to 7 HDMI displays over a single Cat5e or Cat6 cable
- Transmission Range: Extends 1080p resolutions up to 164ft/50m to receiver units - EVRX2006 or EVWP2006RX sold separately (page 21)
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6- allowing the receiver unit (EVRX2006) to be powered from the EVSP1017; requiring no power supply to be connected
- Dynamic or manual EDID management; ability to manually select the best compatible EDID or automatically blend EDID of the 8 connected HDMI sinks
- Additional HDMI output for local display or to connect an additional EVSP1017 to cascade for an expanded distribution system
- Supports HDMI Deep Color and 3D
- Supports multiple audio formats including Dolby True HD- DTS-master- etc.
- Wide band IR system allowing for control of the single source from any of the displays connected
- Wideband IR signal from 20KHz to 60KHz
- HDCP Compliant
- Dimensions: 10.6" W x 1" H x 4.4" D

PACKAGE CONTENTS

EVSP1017 1x7 Splitter

IR Blaster (TX)

IR Receiver (RX)

DC 12V 2A Power Supply

Product Manual

U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EVSP1017	Pkgd
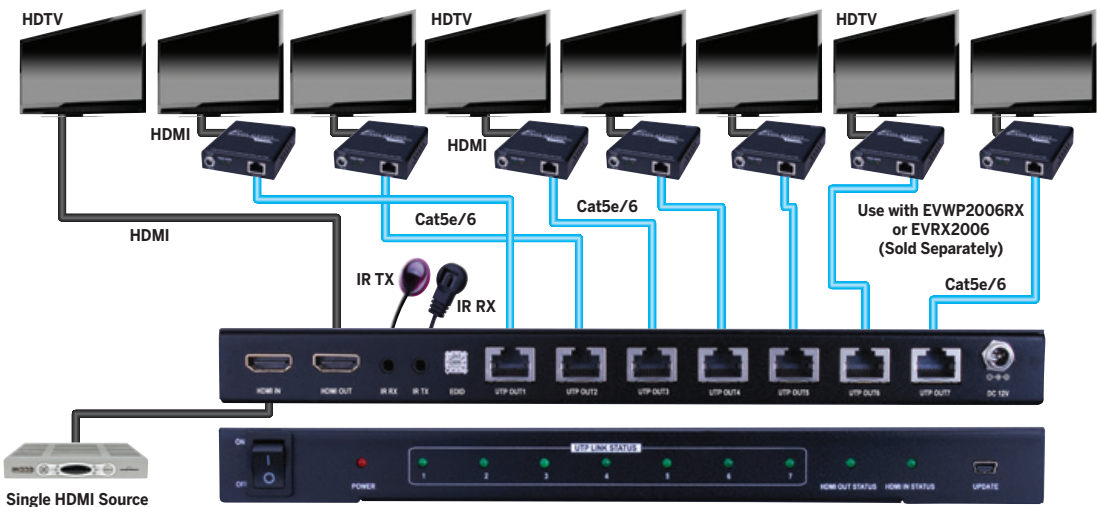
HDMI® 1X3 SPLITTER
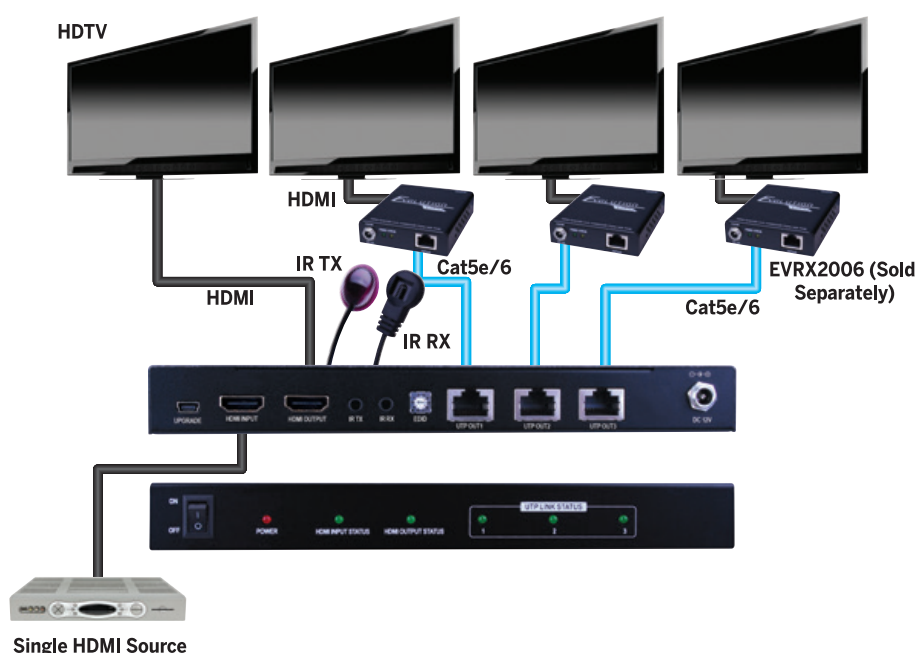## OVER CAT5E/CAT6 CABLE WITH ADDITIONAL HDMI® OUTPUT

- Allows for 1 HDMI input to be split and sent to 4 different displays
- (3) RJ45 output ports with POE Functionality can connect to the EVRX2006 POE receiver over Cat5e/Cat6 cable to transmit 1080p @60Hz video with audio and control up to 164ft/50m - EVRX2006 sold separately (page 21)
- Power over the Cat5e/Cat6 so that the EVRX2006 receivers do not require a power supply
- Features an additional HDMI output which can be used for a local display or to cascade to another splitter for a larger distribution system
- Supports 20-60kHz wideband bi-direction IR communication
- Dynamic or manual EDID management. The user can manually select the best compatible EDID or automatically blend EDID of 4 connected HDMI sinks
- Supports multiple audio formats including Dolby True HD- DTS-master- etc.
- Supports all 3D Signal Formats
- Supports manual or dynamic EDID management
- HDCP 2.0 compatible
- Dimensions: 8.1" W x 1" H x 3.5" D

PACKAGE CONTENTS

EVSWP1013 1x3 Splitter

(1) IR Blasters (TX)

(1) IR Receiver (RX)

(1) DC 12V 2A power supply

Product Manual

U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EVSP1013	Pkgd

HDTV

HDMI

IR TX

Cat5e/6

EVRX2006 (Sold Separately)

HDMI

Cat5e/6

IR RX

Single HDMI Source

HDMI® RECEIVERS

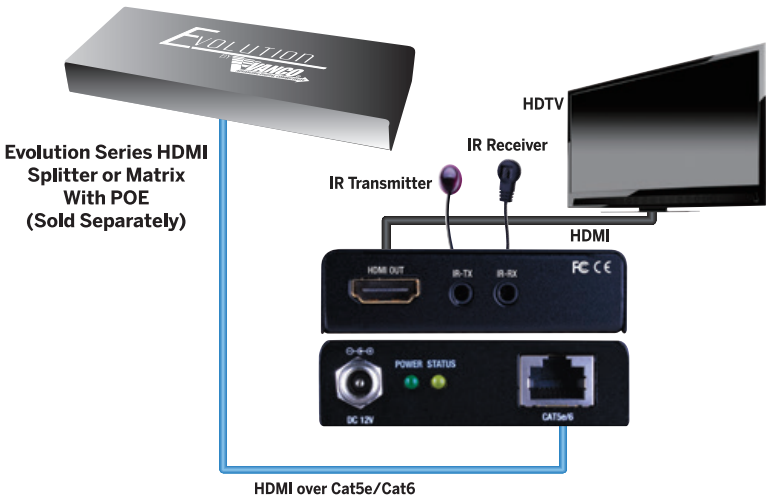PoE Reciver

Part # EVRX2006

HDMI® POE RECEIVERS

- To be utilized with Evolution by Vanco matrix units or splitters that transmit HDMI signals over a single Cat5e/6 cable and feature Power over Ethernet (PoE) Technology
- Allows HDMI audio/video signals to be transmitted using a single Cat5e or Cat6 Cable
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6; No power supply needed on the receiver end
- Slim and compact design
- Wide band Bi-directional IR system allowing for control of source or display (IR accessories included)
- Wideband IR signal from 20KHz to 60KHz
- Transmission Range: Extends HDMI transmission up to 164ft/50m from the HDMI source at Full HD 1080p 24-bit color and 3D
- Features Auto EDID and EQ Management
- Works with HDMI and HDCP compliant devices
- HDCP 2.0 compliant
- Pure uncompressed 7.1ch digital audio
- Supports DTS-HD and Dolby TrueHD high bit rate audio
- Dimensions: Receiver: 2.5" W x 3.1" H x 1" D
- Wall Plate Receiver: 2.6" W x 4.4" H x 1.25" D

Wall Plate PoE Reciver

Part # EVWP2006RX

PACKAGE CONTENTS

HDMI POE Receiver

IR TX

IR RX

Product Manual

PART NO.	PKG.
EVRX2006	Pkgd
EVWP2006RX	Pkgd

Evolution Series HDMI Splitter or Matrix With POE (Sold Separately)

IR Transmitter

IR Receiver

HDTV

HDMI

HDMI over Cat5e/Cat6

HDTV

Receiver

HDMI

IR RX

IR TX

Evolution Series HDMI Matrix,Splitter or Extender Transmitterwith POE (Sold Separately)

Cat5e/6

PREMIUM 4K HDMI® 1×8 SPLITTER

- Transmits audio and video from a single source to 8 HDMI outputs up to 4K2K (2160p) Ultra High Definition resolution without any loss of quality or resolution
- Supports video formats up to 4K2K@60Hz with 12bit YCBCR 4:4:4 and HDR
- 3D frame sequential video format up to 1080p@60
- Supports high-resolution VESA mode video format up to QSXGA 2560×2048@60Hz
- Compliant with HDCP 2.2 sources and backward compatible with older versions of HDCP
- Dynamic and Manual EDID management modes to ensure compatibility during installation
- High bandwidth: 18 Gbps
- Dimensions: 9.6" W x .6" H x 4.1" D

PACKAGE CONTENTS

EVSP4K18 1x8 Splitter

12V 2.5A DC power supply

Product Manual

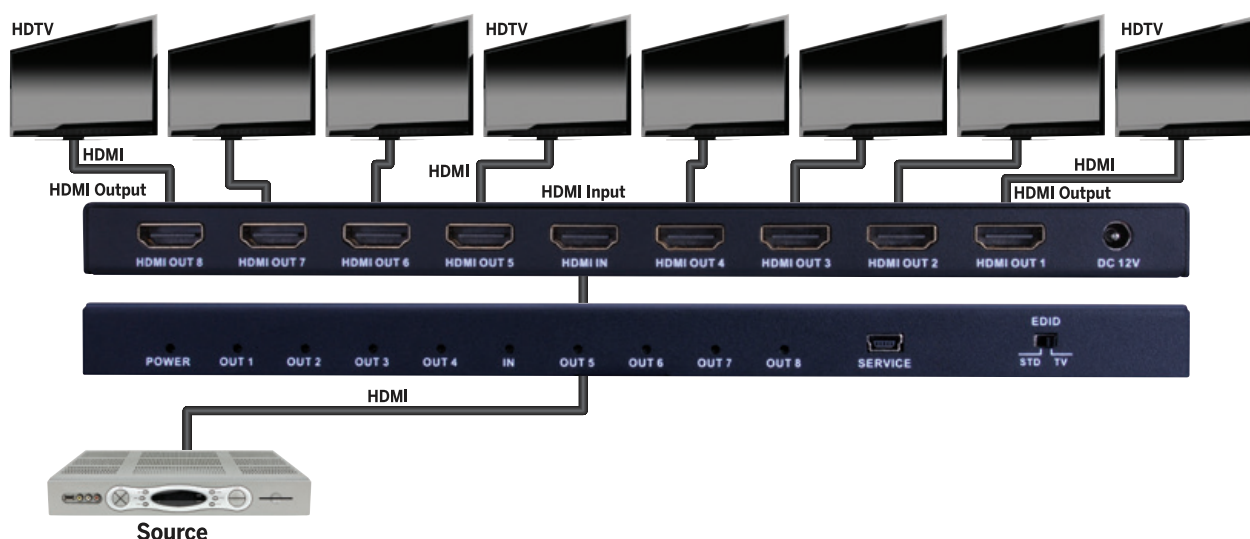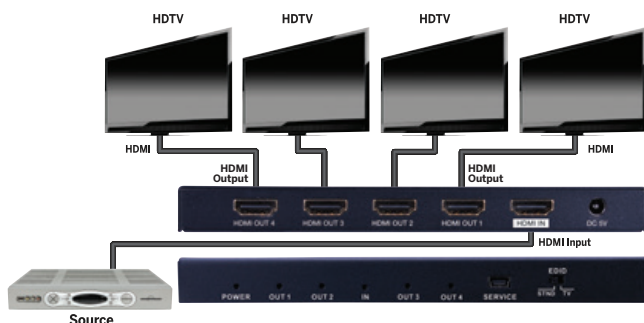| PART NO.	PKG.
EVSP4K18	Pkgd

PREMIUM 4K HDMI® 1×4 SPLITTER

- Transmits audio and video from a single source to 4 HDMI outputs up to 4K2K (2160p) Ultra High Definition resolution without any loss of quality or resolution
- Supports video formats up to 4K2K@60Hz with 12bit YCBCR 4:4:4 and HDR
- 3D frame sequential video format up to 1080p@60
- Supports high resolution VESA mode video format up to QSXGA 2560×2048@60Hz
- Compliant with HDCP 2.2 sources and backwards compatible with older versions of HDCP
- Dynamic and Manual EDID management modes to ensure compatibility during installation
- High bandwidth: 18 Gbps
- Dimensions: 6.4" W x .6" H x 2.5" D

PACKAGE CONTENTS
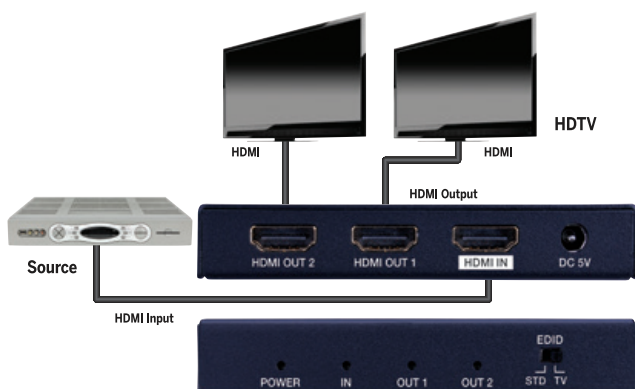
EVSP4K14 1x4 Splitter

Mounting Ears and Screws

4 Plastic Cushions

5V/1A DC power supply

Product Manual

PART NO.	PKG.
EVSP4K14	Pkgd

PREMIUM 4K HDMI® 1×2 SPLITTER

- Transmits audio and video from a single source to 2 HDMI outputs up to 4K2K (2160p) Ultra High Definition resolution without any loss of quality or resolution
- Supports video formats up to 4K2K@60Hz with 12bit YCBCR 4:4:4 and HDR
- 3D frame sequential video format up to 1080p@60
- Supports high resolution VESA mode video format up to QSXGA 2560×2048@60Hz
- Compliant with HDCP 2.2 sources and backwards compatible with older versions of HDCP
- Dynamic and Manual EDID management modes to ensure compatibility during installation
- High bandwidth: 18 Gbps
- Features status indicator for connection & input HDCP compliance
- Dimensions: 4" W x .4" H x 2.3" D

PACKAGE CONTENTS

EVSP4K12 1x2 Splitter

5V DC Power Supply

Product Manual

| PART NO.	PKG.
EVSP4K12	Pkgd

6X1 MULTI-FORMAT
SCALER SWITCHER

- Compact 6×1 multi-format switcher with 6 video inputs (3 HDMI- 2 VGA- 1 HDMI/MHL)- 2 auxiliary audio inputs mirrored to the VGA inputs- 1 HDMI output and 3 audio outputs (1 dual-mono analog audio- 1 3.5mm stereo audio- 1 optical audio)
- Switches VGA or HDMI/DVI/MHL input signals to HDMI output
- Scales to 6 different resolutions- VGA to HDMI output – Output resolutions selectable to assure preferred output. Supports various output resolutions- such as 1920×1200- 1920×1080- 1360×768- 1280×800- 1024×768- 1280×720
- Bypass HDMI feature provides comprehensive resolution capacities up to 4K & 1080p 3D
- Transmits 4K/UHD @ 30 HZ up to 50 ft. / 15m
- Supports RS232 and IR control
- Supports advanced EDID management
- Supports MHL 2.0- Maximum Resolution 1080p
- MHL auto detection- Supports device charging over MHL- maximum 5V 900mA
- HDCP 1.4 Compliant
- Two input switching modes: auto-switching or manual-switching
- Supports Audio and Video output management via Output Black button
- Features off memory for reliable operation – input and output mapping is automatically stored and recalled when the unit is powered on and off and in the event of a power outage
- Supports hot plug
- Dimensions: 13.7" W x 1.1" H x 4.3" D

PACKAGE CONTENTS

EVSW1061 6x1 Switcher

IR Receiver

IR Remote

Mounting Hardware

(2) 3-pin Pluggable terminal blocks

DC 5V 3A power supply

Product Manual

PART NO.	PKG.
EVSW1061	Pkgd

Cable/Satellite Blu-Ray Cable/Satellite Apple TV PC HDTV AV Receiver PC

IR RX
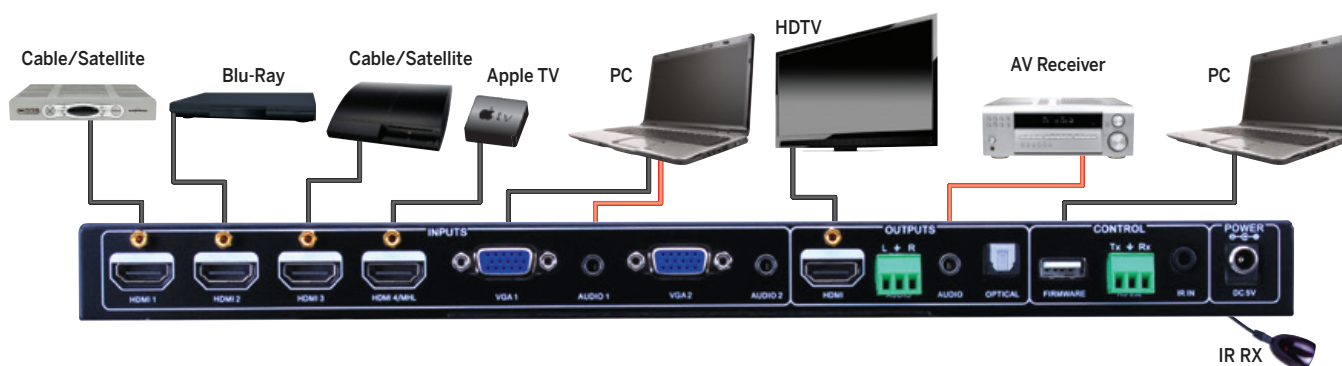
HDMI® 4K 4X1 SWITCH
WITH ARC AND HDR

- Supports 4K2K (2160p @60Hz w/ 4:4:4 color sampling) Ultra High Definition Resolutions
- Supports HDR (High Dynamic Range)
- Features Audio EDID management which allows selection of preferred audio channel
- Supports auto switching or manual switching mode
- IR pass-through for source control with included IR accessories
- Controllable via RS-232 and/or IR
- Supports ARC (Audio Return Channel) and CEC (Consumer Electronic Control) functionality
- Supports PCM- Dolby TrueHD- and DTS-HD Master Audio up to 7.1 CH audio formats
- Digital and analog audio outputs for audio extraction
- HDCP 2.2 compliant
- Dimensions: 7" W x .5" H x 3.3" D
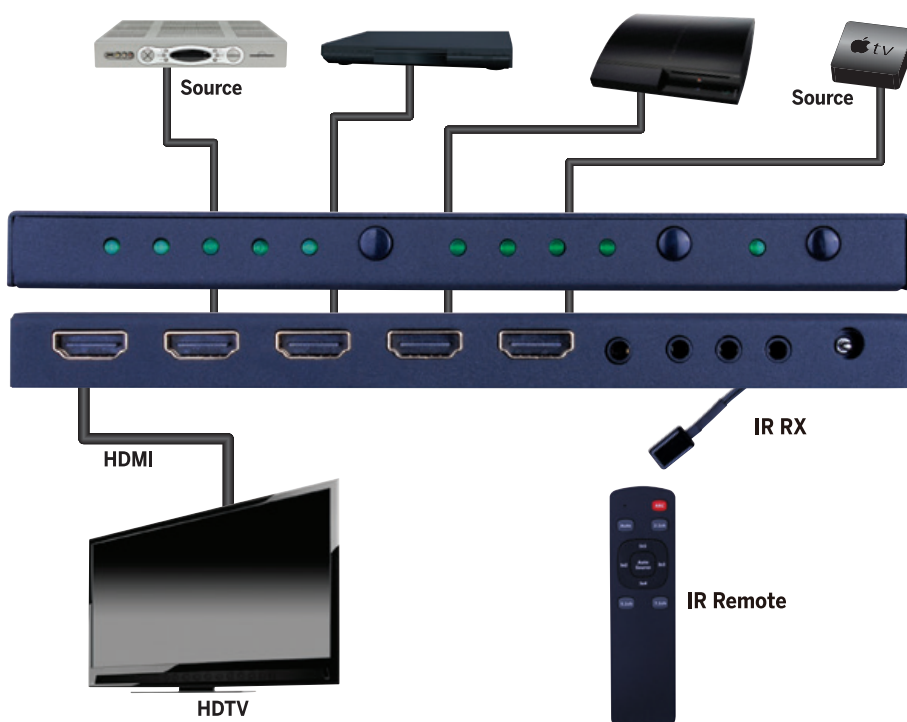
PACKAGE CONTENTS

EVSW1042 4x1 Switch

5V/1A USB Power Adapter

5V USB to DC Power Supply cable

IR Receiver

4 IR Transmitters

3.5mm Stereo (male) to 4-3.5mm Stereo (Female)

Optical convert adapter (for SPDIF audio output)

IR Remote

Product Manual

PART NO.	PKG.
EVSW1042	Pkgd

Source

Source

IR RX

HDMI

HDTV

IR Remote

HDBASET™ 4K@60HZ, 4:4:4 CHROMA, HDR EXTENDER (230FT/70M)

- Features the latest HDBaseT Technology- optimized for whole-home or commercial distribution of highdefinition signals at much greater distances of standard HDMI cables
- Transmission Range: Extends 4Kx2K@60Hz- 4:4:4 with HDR up to 230ft/70m over a single Cat5e/6 cable and 1080p@60Hz up to 330ft/100m
- Features Power over HDBaseT (PoH) Technology which transmits power over Cat5e/6- allowing for either Transmitter or Receiver to be powered without the use of a power supply
- Virtually Lossless Compression retains high end audio and video quality
- 4-10/100 Ethernet ports for directly connecting displays and sources to a network
- Bi-directional IR and RS232 control
- Features Auto EDID and EQ Management for plug and play installation
- HDR Compatible
- HDCP 2.2 compliant and backward compatible to previous versions
- CEC Support
- Slim and compact design
- Dimensions: 5.75" W x 4" H x 0.62" D

PACKAGE CONTENTS

EVEXHDB2 Extender

IR Transmitter (IR TX)

IR Receiver (IR RX)

2 RS-232 Cables (3-pin to DB9)

Mounting Hardware

DC 24V Power Supply

Product Manual

| PART NO.	PKG.
EVEXHDB2	Pkgd
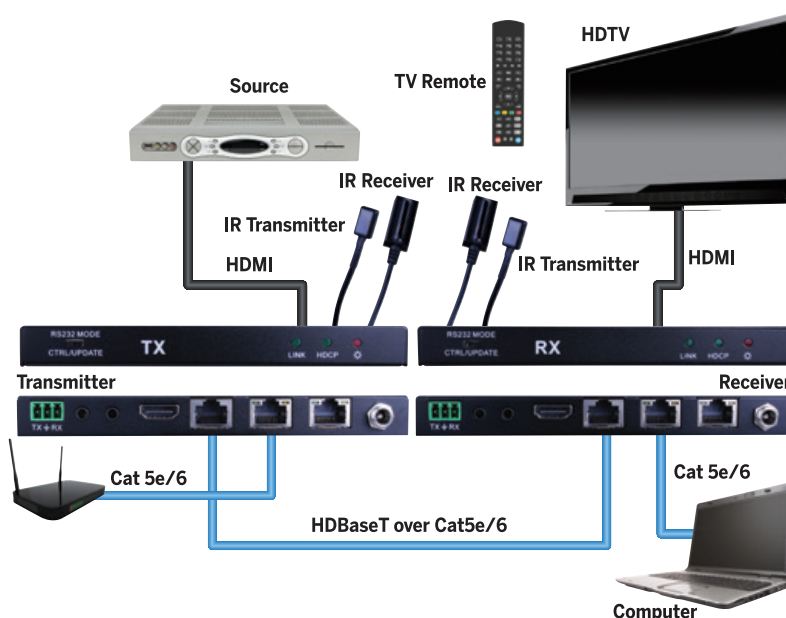
HDBASET™ 2.0 4K EXTENDER
WITH ARC AND DIGITAL/ANALOG
AUDIO BREAKOUTS

- Features HDBaseT™ 2.0 technology- optimized for whole-home or commercial distribution of uncompressed high-definition signals at more than twice the distance of HDMI cables without degradation

- Capable of sending and receiving resolutions of up to 4K2K@60Hz with YCbCr 4:2:0 up to 330ft/100m using shielded Cat6 Cable or 230ft/70m using unshielded Cat5e Cable

- Allows audio- video- power- control and Ethernet to be sent over a single category cable up to 328ft/100m

- Supports PoC (Power Over Cable) function allowing either the TX or RX to power the opposite side when using the provided 24v power supply

- Supports resolutions up to 4K@60Hz with 4:2:0 color sampling

- Supports HDBaseT Long Reach (LR) mode to allow 1080p to be transmitted and received up to 492ft/150m

- ARC functionality allows audio to be received from the HDMI port on the receiver unit to be sent to an amplifier via the optical audio breakout on the transmitter unit

- Features Digital or Analog audio breakouts for audio extraction

- Supports pass-through of HD audio formats: LPCM2/5.1/7.1 CH- Dolby Digital- DTS- Dolby TrueHD- DTS-HD Master Audio and more

- RS-232 pass through with phoenix connector included

- HDCP 2.2 and DVI 1.0 compatible

- Wideband bi-directional IR with 38KHz-56KHz frequency range

- Dimensions: 5" W x .7" H x 4.1" D

PACKAGE CONTENTS

EVEXHDARC Extender

IR Blaster (TX)

IR Receiver (RX)

(1) DC 24V/1A power supply

Phoenix Connector

Product Manual

| PART NO.	PKG.
EVEXHDARC	Pkgd
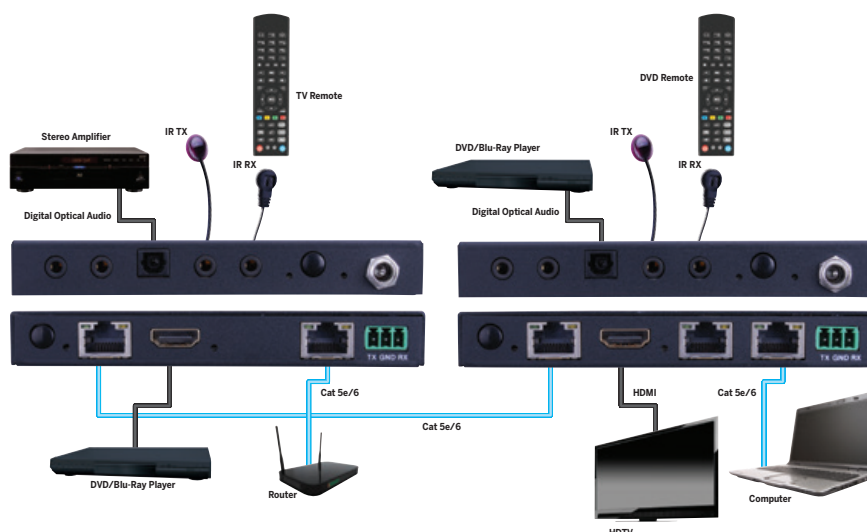
HDBASET™ 4K@60HZ, 4:4:4 CHROMA, HDR EXTENDER (164FT/50M)

- Features the latest HDBaseT Technology, optimized for whole-home or commercial distribution of high definition signals at much greater distances of standard HDMI cables
- Transmission Range: Extends 4Kx2K@60Hz, 4:4:4 with HDR up to 164ft/50m over a single Cat5e/6 cable and 1080p@60Hz up to 230ft/70m
- Features Power over Cable technology (PoC) which transmits power over Cat5e/6, allowing for either Transmitter or Receiver to be powered without the use of a power supply
- Virtually Lossless Compression retains high end audio and video quality
- Bi-directional IR and RS232 control
- Features Auto EDID and EQ Management for plug and play installation
- HDCP 2.2 compliant and backward compatible to previous versions
- CEC Support
- Slim and compact design
- Dimensions:5.75" W x 3.7" H x 0.7" D

PACKAGE CONTENTS

EVEX4K50 Extender

IR Transmitter (IR TX)

IR Receiver (IR RX)

(2) RS-232 Cables (3-pin to DB9)

Mounting Hardware

(1) DC 12V Power Supply

Product Manual

PART NO.	PKG.
EVEX4K50	Pkgd

Source

TV Remote

IR Transmitter

IR Receiver

IR Receiver   **IR Transmitter**

HDTV

HDMI
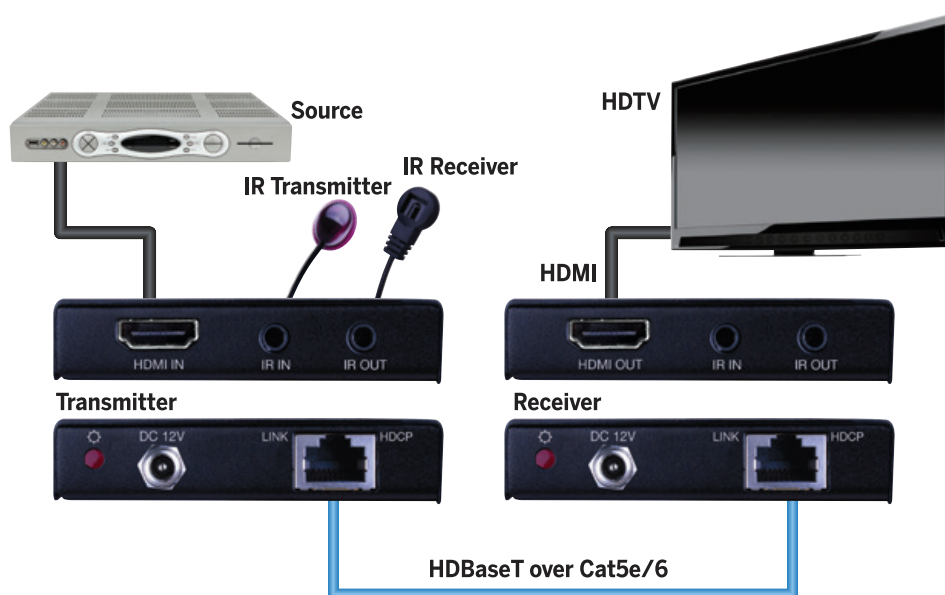
HDMI

HDBaseT over Cat5e/6
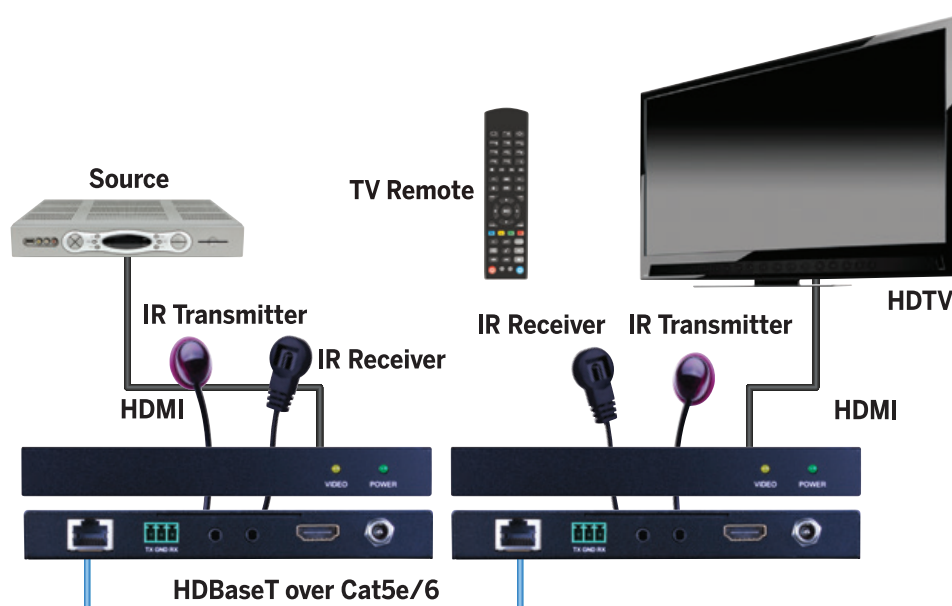
HDBASET™ EXTENDER
WITH POC

- Features HDBaseT Technology- optimized for whole-home or commercial distribution of uncompressed high-definition signals at more than twice the distance of standard HDMI cables without degradation

- HDBaseT Extender can connect uncompressed full HD digital video and audio through a single 230ft/70m Cat5e/Cat6 cable

- Features Power over Cable (PoC) Technology which transmits power over Cat5e/6- allowing for either Transmitter or Receiver to be powered without the use of a power supply. The result is an easy and flexible installation with low maintenance

- Transmission Range: Extends 1080p resolutions up to 230ft/70m over a single Cat5e/6 cable and 4K@60Hz- 4:2:0 color subsampling up to 131ft/40m

- Bi-directional IR control

- High Bandwidth: 10.2Gp

- HDCP 2.2 compliant

- CEC Support

- Slim and compact design

- Dimensions: 2.9" W x .7" H x 4.7" D

PACKAGE CONTENTS

EVEXHDB1 Extender

(1) IR Blaster (TX)

(1) IR Receiver (RX)

(1) DC 12V in line power supply

Mounting Hardware

Product Manual

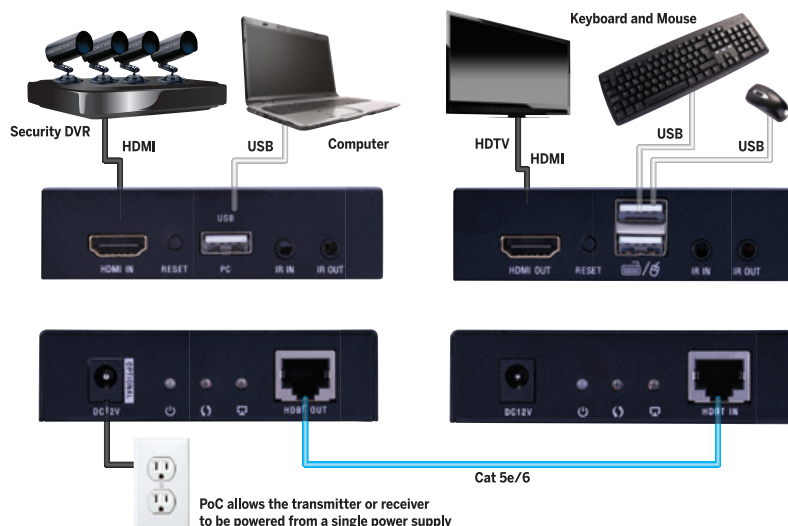| PART NO.	PKG.
EVEXHDB1	Pkgd

HDBASET™ EXTENDERS

HDBASET™ 4K EXTENDER
WITH KVM (KEYBOARD, VIDEO, MOUSE)

- Transmits audio and video via HDMI as well as complete KVM (Keyboard, Video, Mouse) functionality via USB 2.0 ports over a single Cat5e/6 up to 230ft/70m with PoC
- Power Over Cable (PoC), integrates power into the Cat5e/6 cable, requiring no power supply for either the Transmitting unit or Receiving unit (opposite of unit that is plugged in to power)
- Auto EDID management automatically adjusts to overcome compatibility issues
- Auto EQ distance for perfect transmission and reception of HDMI signals
- Supports up to 3840 x 2160 @ 60Hz resolutions
- HDR10 Compatible
- Supports LPCM, DTS and Dolby Digital Audio Formats
- Transmission Range: Extends 4K HDMI signals up to 230ft/70m over a single Cat5e or Cat6 cable
- Extends USB 2.0 high speed at 480Mbps to 230ft/70m
- RX unit provides 2 USB 2.0 high speed ports at display end
- TX unit provides a single USB port for connection to computers and other devices
- USB ports allow for charging of connected USB devices (please use properly certified and licensed cabling with utilizing the charging feature)
- Bi-Directional Wide Band IR 20-60kHz
- HDBaseT 2.0 with CEC Support
- Compatible HDMI 2.0*/DVI 1.0
- HDCP 2.2/1.4
- Dimensions: 4.1" W x .8" H x 3.4" D

PACKAGE CONTENTS

EVEXKVM2 Extender
(2) IR Transmitters (IR TX)
(2) IR Receivers (IR RX)
USB Cable (Type A)
(1) DC 12V/2A power supply
Product Manual
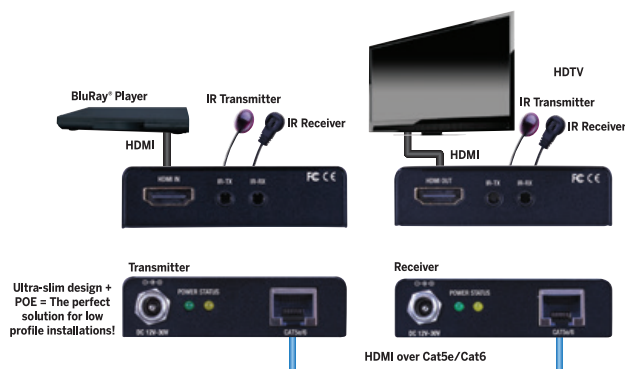
PART NO.	PKG.
EVEXKVM2	Pkgd

Keyboard and Mouse

Security DVR   HDMI   USB   Computer   HDTV   HDMI   USB   USB

Cat 5e/6

PoC allows the transmitter or receiver
to be powered from a single power supply

EVOLUTION™

ULTRA SLIM 4K HDMI® EXTENDER WITH POE

- Allows HDMI audio/video signals to be transmitted using a single Cat5e or Cat6 Cable
- Transmission Range: Extends 4K@60Hz, 4:4:4 Chroma up to 164ft/50m and 4K@30Hz, 4:4:4 Chroma and HDR up to 130ft/40m over a single Cat5e/6 cable
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat
- Wideband Bi-directional IR system allowing for control of source or display
- Wideband IR signal from 20KHz to 60KHz
- Features Auto EDID and EQ Management
- HDR10 Compatible and HDCP 2.2 compliant
- Pure uncompressed 7.1ch digital audio
- Supports DTS-HD and Dolby TrueHD high bit rate audio
- Dimensions: 2.7" W x .7" H x 3.25" D

BluRay® Player
IR Transmitter
IR Receiver
HDMI
HDTV
IR Transmitter
IR Receiver
HDMI

Ultra-slim design + POE = The perfect solution for low profile installations!
Transmitter
Receiver
HDMI over Cat5e/Cat6

PACKAGE CONTENTS

EV4K2006 Extender
(2) IR Blasters (TX)
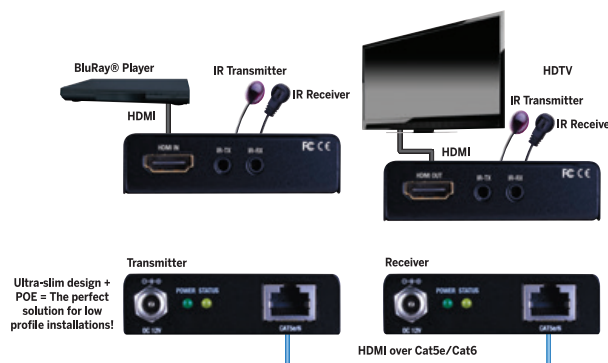(2) IR Receivers (RX)
(1) DC 12V in line power supply
Product Manual

U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EV4K2006	Pkgd

ULTRA SLIM 4K HDMI® EXTENDER WITH POE

- Allows HDMI audio/video signals to be transmitted using a single Cat5e or Cat6 Cable
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6
- Wide band Bi-directional IR system allowing for control of source or display (IR accessories included)
- Wideband IR signal from 20KHz to 60KHz
- Transmission Range: Extends HDMI transmission up to 50m (164ft) from the HDMI source at Full HD 1080p 24-bit color and 3D
- Features Auto EDID and EQ Management
- Works with HDMI and HDCP compliant devices
- HDCP 2.0 compliant
- Pure uncompressed 7.1ch digital audio
- Supports DTS-HD and Dolby TrueHD high bit rate audio
- Dimensions: 2.7" W x .7" H x 3.25" D

BluRay® Player
IR Transmitter
IR Receiver
HDMI
HDTV
IR Transmitter
IR Receiver
HDMI

Ultra-slim design + POE = The perfect solution for low profile installations!
Transmitter
Receiver
HDMI over Cat5e/Cat6

PACKAGE CONTENTS

EVEX2006 Extender
2 IR Blasters (TX)
2 IR Receivers (RX)
DC 12V in line power supply
Product Manual

U.S. Patent No. 9,710,038 B1

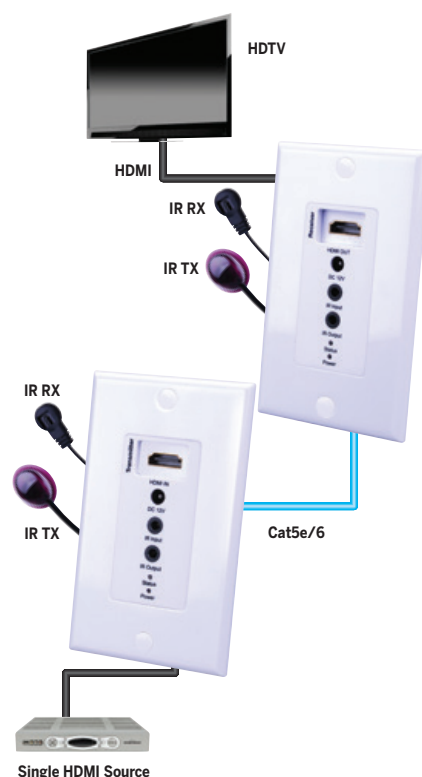| PART NO.	PKG.
EVEX2006	Pkgd

HDMI® WALL PLATE EXTENDER
WITH POE

- Transmits HDMI video- audio- control and power through single CAT5e/6 cable
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6- allowing the transmitter or receiver to be powered off of a single power supply
- Fits easily into a single gang low-voltage box and allows for power to be supplied on either the transmitter or receiver for a flexible installation
- Transmission Range: 164ft/50m at resolutions 1080p @ 60Hz and 262ft/80 m at 1080p through single Cat5e/Cat6 cable
- Features Auto EDID and EQ Management for plug and play installation
- Supports bi-directional IR 20-60KHz (RX->TX and TX->RX)
- Supports audio formats- Dolby True HD- DTS-master- etc.
- Supports all 3D Formats
- Supports EDID call back
- Supports CEC pass through
- VESA DDC and hot swap technology
- HDCP Compliant
- Compatible with DVI 1.0
- Allows cascading to create a larger distribution system
- Dimensions: 2.6" W x 4.4" H x 1.25" D

HDTV

HDMI

IR RX

IR TX

IR RX

IR TX

Cat5e/6

Single HDMI Source

PACKAGE CONTENTS

EVWP2006 Extender

2 IR Blasters (TX)

IR Receiver (RX)

DC 12V in line power supply

Product Manual

U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EVWP2006	Pkgd

CUSTOM HDMI® EXTENDERS
WITH POE

- Transmits HDMI video- audio- control and power through single Cat5e or Cat6 cable
- Mix and Match Transmitters with POE Receivers to create a customer extender set
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6- allowing the transmitter and receiver to be powered off of a single power supply
- Features Auto EDID and EQ Management for plug and play installation
- Wide band Bi-directional IR system allowing for control of source or display (IR accessories included)
- Wide band IR signal from 20kHz to 60kHz
- Transmission Range: Extends HDMI transmission up to 50m (164ft) from the HDMI source at Full HD 1080p 24-bit color and 3D
- Works with HDMI and HDCP compliant devices
- Pure uncompressed 7.1ch digital audio
- Supports DTS-HD and Dolby TrueHD high bit rate audio
- Supports EDID call back and CEC pass through
- VESA DDC and hot swap technology
- Allows cascading to create a larger distribution system
- Fully compatible with any Evolution by Vanco product
- Metal Housing Dimensions: 2.7" W x .7" H x 3.25" D
- Wall Plates fit easily into a single gang low-voltage box
- Transmission Distance: 51 – 164 ft.

PACKAGE CONTENTS

Receivers Include:

Receiving Unit

IR TX and RX Set

Transmitters Include:

Transmitting Unit

IR TX and RX Set

12V DC Power Supply

U.S. Patent No. 9,710,038 B1

PoE Transmitter
Part # EVTX2006

PoE Receiver
Part # EVRX2006

Wall Plate Transmitter
Part # EVWP2006TX

Wall Plate Receiver
Part # EVWP2006RX

HDMI® EXTENDER
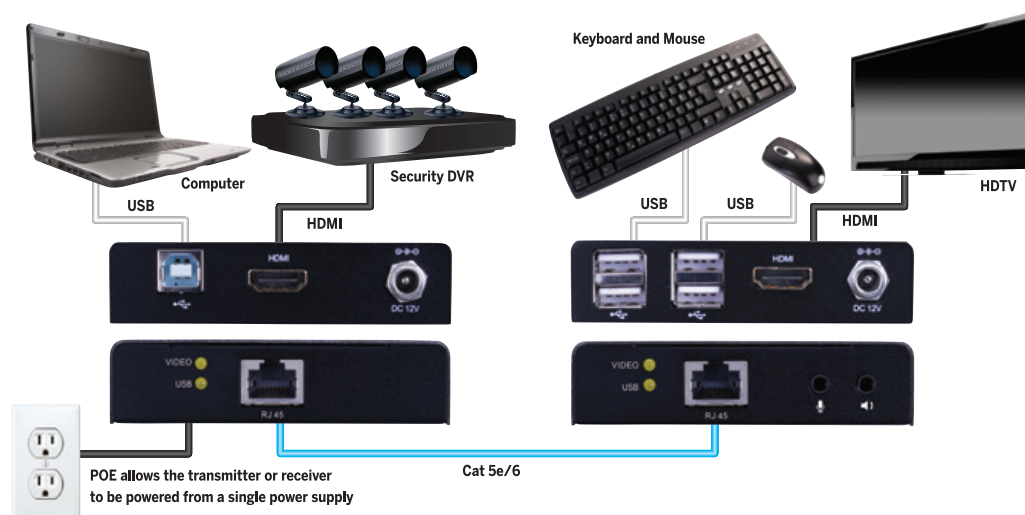## WITH POE AND KVM (KEYBOARD, VIDEO, MOUSE)

- Transmits audio and video via HDMI as well as complete KVM (Keyboard-Video- Mouse) functionality via USB 2.0 ports over a single Cat5e/6 up to 164ft/50m with POE.

- Power Over Ethernet (PoE)- integrates power into the Cat5e/6 cable- requiring no power supply for either the Transmitting unit or Receiving unit (opposite of unit that is plugged in to power)

- Auto EDID management automatically adjusts to overcome compatibility issues

- Auto EQ distance for perfect transmission and reception of HDMI signals

- Supports up to 1920×1080 @ 60Hz resolutions

- Transmission Range: Extends HDMI signals up to 164ft/50m over a single Cat5e or Cat6 cable

- Extends USB 2.0 high speed at 480Mbps to 164ft/50m

- RX unit provides 4 USB 2.0 high speed ports at display end

- USB ports allow for charging of connected USB devices (please use properly certified and licensed cabling with utilizing the charging feature)

- RX integrated with Hi-Fi USB audio card- supports analog passive earphone and microphone access

- VESA DDC and hot swap technology (HPD)

- Compatible HDMI 1.3/DVI 1.0

- HDCP 1.4

- Dimensions: 3.25" W x .8" H x 3.6" D

PACKAGE CONTENTS

EVEXKVM1 Extender

USB Type A to Type B cable

(1) DC 12V/2A Power Supply

Product Manual

U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EVEXKVM1	Pkgd

Keyboard and Mouse

Computer • Security DVR • USB • USB • HDTV

USB • HDMI • HDMI

POE allows the transmitter or receiver to be powered from a single power supply

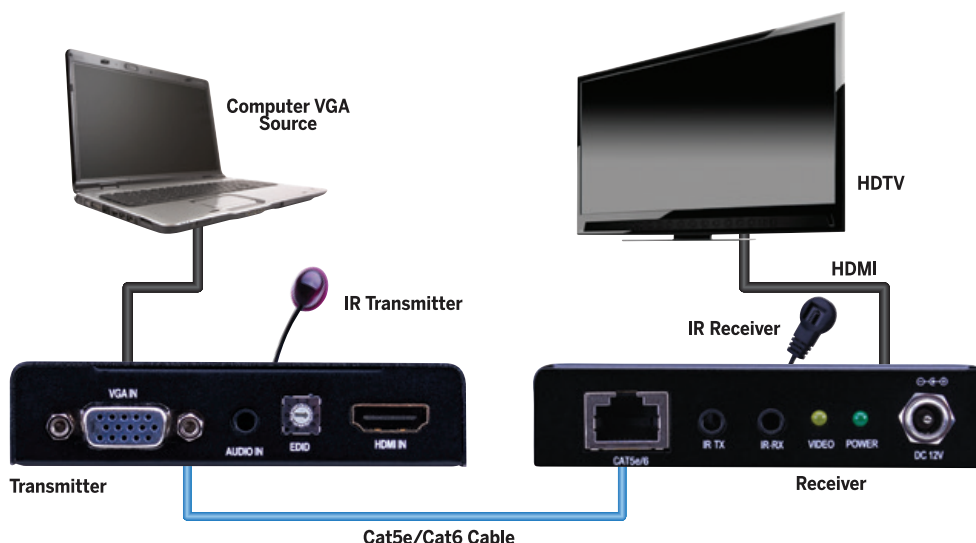Cat 5e/6

HDMI® AND VGA
EXTENDER

- Allows HDMI or VGA with Audio + bi-direction IR and POE to be transmitted up to 164 ft/50m over a single Cat5e/Cat6 Cable
- Features Power over Ethernet (PoE) Technology which transmits power over Cat5e/Cat6- allowing the transmitter and receiver to be powered off of a single power supply
- Transmitter can automatically select HDMI or VGA as main live video input- and the receiver supports output video by both HDMI and VGA port at the same time
- Transmission Range: 164ft/50m at 1080p 3D or 1920×1200 60fps- 270ft/80m at 1080i/720p
- HDMI port supports Dolby True HD- DTS-master- etc.
- HDMI port supports 3D signals (all 7 formats)- such as Frame Packing- Side-by-Side- Top-to-Bottom- etc.
- Supports EDID call back as well as manual EDID management
- Supports CEC pass through
- Bi-directional Wide Band IR (20-60KHz)
- Priority to VGA input and dual VGA/HDMI output
- Analog stereo audio extender input and output
- HDCP 2.0 compatible
- Compatible DVI 1.0
- Supports cascade to enhance extending distance
- Dimensions: 3.7" W x .8" H x 3.5" D

PACKAGE CONTENTS

EVEXVGAHD Extender

2 IR TX

2 IR RX

DC 12V 1A power supply

Product Manual

U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EVEXVGAHD	Pkgd

Computer VGA Source

HDTV

HDMI

IR Transmitter

IR Receiver

Transmitter
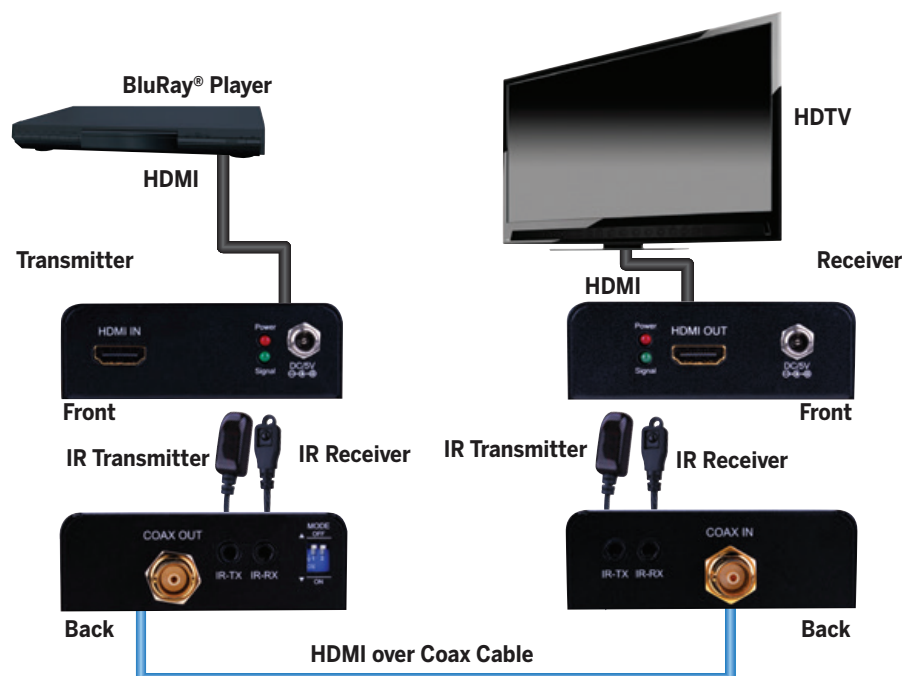
Receiver

Cat5e/Cat6 Cable

HDMI® EXTENDER
OVER SINGLE COAX EXTENDER

- Allows HDMI audio/video signals to be transmitted using a single coaxial cable
- Wide band Bi-directional IR system (20KHz to 60KHz) allowing for control of source or display
- Transmission Range: Extends 1080p resolution up to 394ft/120m over RG6 coaxial cable (dual and quad-shielded); Extends 1080p resolution up to 164ft/50m over RG59 coaxial cable
- Works with HDMI and HDCP compliant devices
- Supports up to 1080p/60 High Definition resolution
- Supports video resolutions 480i- 576i- 720p- 1080i- and 1080p
- 7.1-channel audio supported; Supports DTS-HD and Dolby TrueHD high bit rate audio
- EDID manual select control – Supports Copy EDID
- Compact and wall mounting housing design for easy and robust installation
- Fully compatible with any Evolution by Vanco product
- Dimensions: 3.35" W x 1.1" H x 3.19" D

PACKAGE CONTENTS

EVEX2004 Extender

IR Blaster (TX)

IR Receiver (RX)

2 DC 5V power supplies

Mounting hardware

Product Manual

PART NO.	PKG.
EVEX2004	Pkgd

BluRay® Player

HDTV

HDMI

Transmitter

Receiver

HDMI

Front

Front

IR Transmitter   **IR Receiver**   **IR Transmitter**   **IR Receiver**

Back

Back

HDMI over Coax Cable

THREE ZONE SIX SOURCE
IR KIT

- Allows for the Transmission of IR Signals from up to 3 IR receivers to 6 dual emitters
- IR Receiver works in most lighting environments, including CFL
- Kit includes (1) Connecting Block, (1) Mini IR Receiver, (2) Dual IR Emitters and (1) 12V DC Power Supply
- A total of 6 IR dual emitters can be supported for up to 12 sources
- IR Receiver Frequency Range: 34 kHz to 60 kHz, RC-MM codes
- IR Emitter Frequency Range: 38 kHz to 56 kHz
- Range: Receiving distance – 25ft; Emitting distance – 4-8in
- Power Consumption: 12VDC, 30mA max
- Connecting Block Dimensions: 2.8" W x .90" H x 1.8" D

PACKAGE CONTENTS

Connecting Block

IR Receiver pigtail

IR dual Emitter pigtail

12V DC Power Supply

Product Manual

PART NO.	PKG.
EV-IRKIT6	Pkgd

OPTIONAL ACCESSORIES

IR Transmitter

PART NO.	PKG.
EV-IRKTTX	Pkgd

IR Receiver

PART NO.	PKG.
EV-IRKTRX	Pkgd

A total of 12 sources can be supported by using 6 dual IR emitters.

IR SIGNAL ANALYZER

- Convenient- hand held IR Signal Analyzer for testing IR Frequency- Strength- Voltage- and Pinout
- Ideal for troubleshooting IR signal deficiencies
- Point and shoot to test IR Frequency on any remote
- Measures signal strength to identify strong and weak spots throughout an installation area
- Pinpoints IR Signal Voltage measurement
- Provides IR-RX Pinout (Power- Ground- Signal) Ideal for mixed IR applications
- Dimensions: 3" W x 4.75" H x 1" D

PACKAGE CONTENTS

EVIRTEST Signal Analyzer

IR Receiver

3.5mm Stereo cable

Product Manual

PART NO.	PKG.
EVIRTEST	Pkgd

IR INTEGRATION CONNECTOR

- Seamlessly integrate IR from Vanco Evolution products with third party control systems and other IR products
- Simply connect the 3.5mm mono end into the IR transmitting port (TX) of a control system or other IR product and have the 3.5 mm stereo end inserted into the IR receiving port (RX) of the Vanco product
- Provides a cleaner, faster installation. Eliminates the need to cut and splice wires or tape emitters and receivers together
- 3.5mm Mono Female to 3.5mm Stereo Male IR Adapter

PACKAGE CONTENTS

EV-35MST Connector

PART NO.	PKG.
EV-35MST	Pkgd

HDMI® EDID SYNC RECORDER

- Able to read- copy- emulate and pre-set EDID information to encourage the "handshake" between a source and display
- HDCP 1.1 compliant
- Supports HDMI Deep Color & 3D / DVI 1.1 compliant
- Able to read and store the EDID of displays (monitors or projectors)
- Able to overwrite set EDID into the EDID Reader/Writer/Re-timer or to HDMI displays
- Built-in default EDID
- Maintains HDMI/DVI video resolution
- Prevents PC from deactivating inactive HDMI/DVI ports
- Re-generates EDID content
- Re-synthesizes input HDMI stream and maintains or improves signal integrity
- Controllable by PC/Laptop via USB with included software
- Dimensions: 3.14" W x 1.1" H x 3.58" D

PACKAGE CONTENTS

EVRC5002 Recorder

DC 5V in line power supply

Rack-mounting ear set

Installation software CD

Product Manual

PART NO.	PKG.
EVRC5002	Pkgd

ADDITIONAL IR ACCESSORIES

- Additional IR RX and IR TX

IR TX
Part # EV-IRTX

IR RX
Part # EV-IRRX

PART NUMBER INDEX

HDM® Product Compatibility: All Vanco HDMI Matrix Switchers and HDMI Splitters and Extenders are HDCP Compatible. First, You must verify your source and destination devices support HDCP encryption. HDCP compliant devices will only transmit to or receive from other devices with HDCP coding. Second, Achieving Full 1080P Resolution with HDMI Matrix Switchers and HDMI Splitters and Extenders is dependant upon the compatibility of all your source and destination devices (source, splitter/switcher, monitors, etc.). For questions regarding compatibility issues please see your product manual or call 800.626.6445.

Product Availability: Vanco International, LLC reserves the right to add or modify product availability without notice or cause.

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