EVOLUTION

BY VANCO

VANCO®
ADVANCING DIGITAL CONNECTIVITY

PREMIUM AUDIO VIDEO DISTRIBUTION PRODUCTS

2023

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)

Control Box (part # EVOIPCTL1)

Receiver (part # EVOIPRX1)

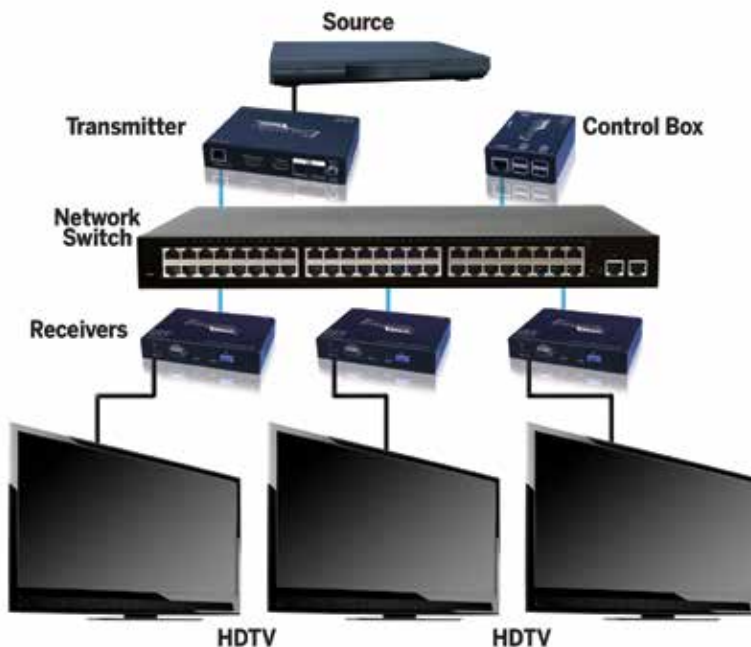1080P Transmitter/Receiver (part # EVOIPLITE)

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

(1) EVOIPCTL1 Control Box

(1) 5V Power supply

(1) Set of Mounting Hardware

(1) Product Manual

PART NO.	PKG.
EVOIPCTL1	Pkgd

HDMI® OVER IP SYSTEM
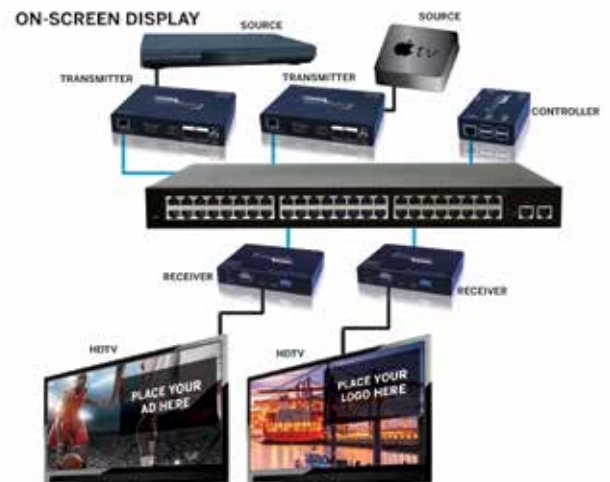
EVO-IP HDMI® OVER IP
TRANSMITTER

- 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

(1) EVOIPTX1 Transmitter
(1) 5V Power supply
(1) Set of Mounting Hardware
(1) Product Manual

PART NO.	PKG.
EVOIPTX1	Pkgd

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
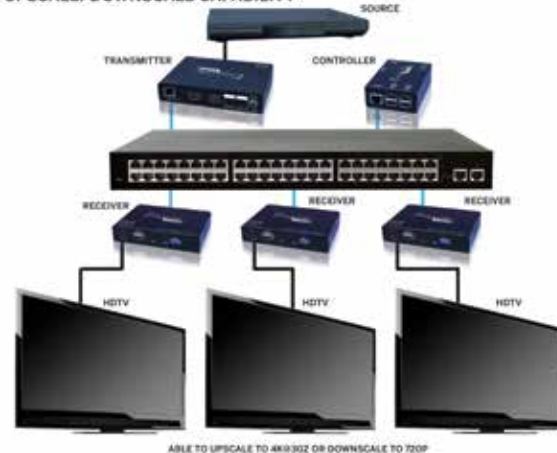- Dimensions: 5.5" W x 3.8" H x 1" D

PACKAGE CONTENTS

(1) EVOIPRX1 Receiver
(1) 5V Power supply
(1) Set of Mounting Hardware
(1) Product Manual

PART NO.	PKG.
EVOIPRX1	Pkgd

MATRIX MODE

UPSCALE/DOWNSCALE CAPABILITY

EVO-IP HDMI® OVER IP
TRANSMITTER/RECEIVER

- HDMI over IP unit that can be set to transmit or receive
- Supports 1080p@60Hz
- System can support over multiple transceivers
- HDCP 1.4 Compliant
- 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
- iOS and Android app available
- Customizable labels and names of sources and displays
- Setup through the GUI can be done without a computer even being on site
- Analog and Digital audio breakouts
- Dynamic EDID
- IR and RS232 Pass-through
- Supports Protocol: IP, TCP, UDP, RTP, IPv4, DHCP, HTTP, IGMP, ICMP, MULTICAST, UNICAST
- Bitstream rate of up to 15Mbps
- Latency: 720P (190-240ms), 1080P (380-430ms)
- Connects to the cloud to schedule events or to troubleshoot a situation remotely (opportunity for recurring revenue)
- Able to be controlled with Alexa for voice controlled switching
- Dimensions: 5.2" x 3.8" x 0.8"

PACKAGE CONTENTS

(1) EVOIPLITE Transmitter/ Receiver
(1) IR Transmitter
(1) IR Receiver
(1) 5V 2A power Supply
(1) Set of Mounting Hardware
(1) Product Manual

PART NO.	PKG.
EVOIPLITE	Pkgd

Source
Transmitter
Controller*
Network Switch
Receivers
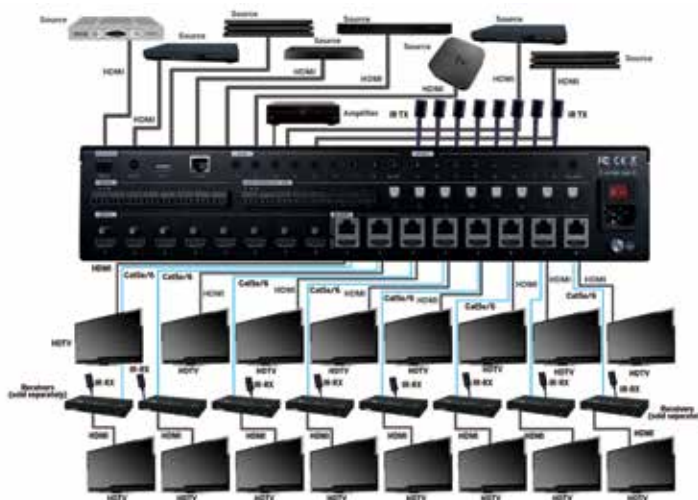HDTV
HDTV
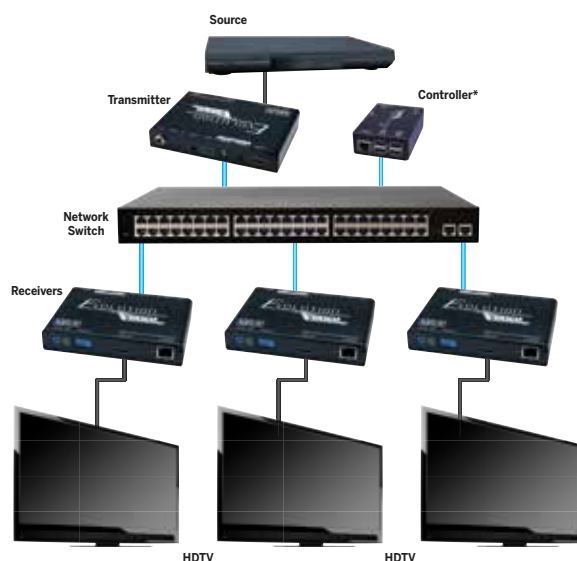
*Controller sold separately

EVOLUTION

HDBASET™ 4K 8X8
MATRIX SELECTOR SWITCH WITH ARC, IR, IP AND RS-232

- 4K 8×8 HDBaseT Matrix with mirrored HDMI outputs
- Extends 4K@60Hz 4:4:4, and HDR10 up to 131ft/40m over a single Cat6 cable
- Outputs 4K@60Hz 4:4:4, HDR10 and Dolby Vision on the HDMI inputs and HDMI outputs
- Extends 1080p resolution up to 230ft/70m over a single Cat6 cable
- HDCP 2.2 compliant
- Two receiver options that are sold separately (EVRXDSC, page 14 and EVRXHD2, page 15) based on features required
- Features POC (Power over Cable) technology – providing power for either receiver option
- Downscales 4K to 1080p on all HDMI outputs as well as HDBaseT outputs using EVRXDSC receiver
- ARC (Audio Return Channel) capable with EVRXDSC receiver
- Includes built-in audio matrix with digital and analog audio outputs for up to 8 zones
- Built-in EDID management and advanced HDCP handling
- Controllable via front panel, IR, RS-232 and third party control systems, as well as a built in GUI via IP connection
- Features IR, IP and RS-232 for control
- Includes EV-IRMST IR integration cable for seamless integration with 3rd Party IR Systems
- Dimensions: 17.2" W x 3.5" H x 17.3" D

PACKAGE CONTENTS

(1) EVMX88PRO 8x8 Matrix

(10) IR Receivers

(9) IR Emitters

(1) IR Remote

(16) 3-pin Terminal Blocks

(1) RS-232 Cable (3-pin to DB9)

(1) IR Control Cable (EV-IRMST)

(1) Power Cord

(2) Set of Mounting Hardware

(4) Plastic Feet

(1) Product Manual

PART NO.	PKG.
EVMX88PRO	Pkgd

HDBASET™ 4K 4X4
MATRIX SELECTOR SWITCH WITH ARC, IR, IP AND RS-232

- 4K 4×4 HDBaseT Matrix with mirrored HDMI outputs
- Extends 4K@60Hz 4:4:4, and HDR10 up to 131ft/40m over a single Cat6 cable
- Outputs 4K@60Hz 4:4:4, HDR10 and Dolby Vision on the HDMI inputs and HDMI outputs
- Extends 1080p resolution up to 230ft/70m over a single Cat6 cable
- HDCP 2.2 compliant
- Two receiver options that are sold separately (EVRXDSC, page 14 and EVRXHD2, page 15) based on features required
- Features POC (Power over Cable) technology – providing power for either receiver option
- Downscales 4K to 1080p on all HDMI outputs as well as HDBaseT outputs using EVRXDSC receiver
- ARC (Audio Return Channel) capable with EVRXDSC receiver
- Includes built-in audio matrix with digital and analog audio outputs for up to 4 zones
- Built-in EDID management and advanced HDCP handling
- Controllable via front panel, IR, RS-232 and third party control systems, as well as a built in GUI via IP connection
- Features IR, IP and RS-232 for control
- Includes EV-IRMST IR integration cable for seamless integration with 3rd Party IR Systems
- Dimensions: 17.2" W x 1.7" H x 14" D

PACKAGE CONTENTS

(1) EVMX44PRO 4x4 Matrix

(6) IR Receivers

(5) IR Emitters

(1) IR Remote

(8) 3-pin Terminal Blocks

(1) RS-232 Cable (3-pin to DB9)

(1) IR Control Cable (EV-IRMST)

(1) Power Cord

(2) Set of Mounting Hardware

(4) Plastic Feet

(1) Product Manual

| PART NO.	PKG.
EVMX44PRO	Pkgd

HDBASET™ 4K 8X6
MATRIX SELECTOR SWITCH WITH 2 HDMI OUTPUTS, IR, IP AND RS-232

- 4K 8×6 HDBaseT Matrix that accommodates 6 HDBaseT outputs and 2 HDMI outputs
- Extends 4K@60Hz 4:4:4, and HDR10 up to 131ft/40m over a single Cat6 cable
- Outputs 4K@60Hz 4:4:4, HDR10 and Dolby Vision on the HDMI inputs and outputs
- Extends 1080p resolution up to 230ft/70m over a single Cat6 cable
- Two receiver options that are sold separately (EVRXDSC, page 14 and EVRXHD2, page 15) based on features required
- HDCP 2.2 compliant
- Digital and analog audio breakouts for the HDMI outputs
- Built-in EDID management and advanced HDCP handling
- Controllable via front panel, IR, RS-232 and third party control systems, as well as a built in GUI via IP connection
- Features bi-directional IR and RS-232 for source and/or display control
- Includes EV-IRMST IR integration cable for seamless integration with 3rd Party IR Systems
- Dimensions: 17.2" W x 1.7" H x 15" D

PACKAGE CONTENTS

(1) EVMX8X6 Matrix

(8) IR Receivers

(9) IR Emitters

(1) IR Remote

(1) RS-232 Cable (3-pin to DB9)

(1) IR Control Cable (EV-IRMST)

(2) Set of Mounting Hardware

(4) Plastic Feet

(1) 24V DC 2.71A Power Supply

(1) Product Manual

| PART NO.	PKG.
EVMX8X6	Pkgd
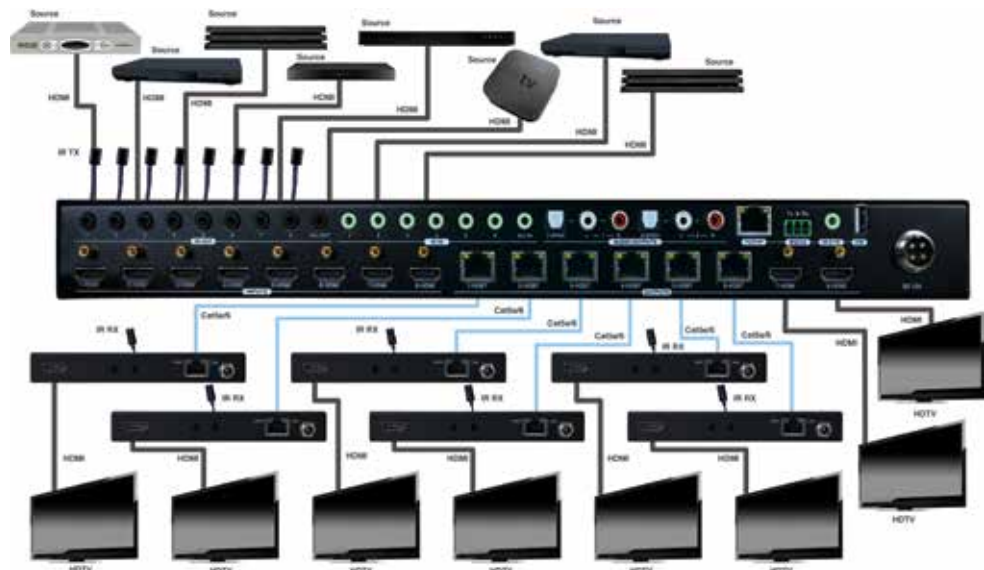
HDBASET™ 4K 4X3
MATRIX SELECTOR SWITCH WITH HDMI OUTPUT, IR, IP AND RS-232

- 4K 4×3 HDBaseT Matrix that accommodates 3 HDBaseT outputs and 1 HDMI output
- Extends 4K@60Hz 4:4:4, and HDR10 up to 131ft/40m over a single Cat6 cable
- Outputs 4K@60Hz 4:4:4, HDR10 and Dolby Vision on the HDMI inputs and output
- Extends 1080p resolution up to 230ft/70m over a single Cat6 cable
- Two receiver options that are sold separately (EVRXDSC, page 14 and EVRXHD2, page 15) based on features required
- HDCP 2.2 compliant
- Digital and analog audio breakouts for the HDMI output
- Built-in EDID management and advanced HDCP handling
- Controllable via front panel, IR, RS-232 and third party control systems, as well as a built in GUI via IP connection
- Features bi-directional IR and RS-232 for source and/or display control
- Includes EV-IRMST IR integration cable for seamless integration with 3rd Party IR Systems
- Dimensions: 17.2" W x 1.7" H x 9.3" D

PACKAGE CONTENTS

(1) EVMX4X3 Matrix
(5) IR Receivers
(5) IR Emitters
(1) IR Remote
(1) RS-232 Cable (3-pin to DB9)
(1) IR Control Cable (EV-IRMST)
(2) Set of Mounting Hardware
(4) Plastic Feet
(1) 24V DC 2.71A Power Supply
(1) Product Manual

PART NO.	PKG.
EVMX4X3	Pkgd
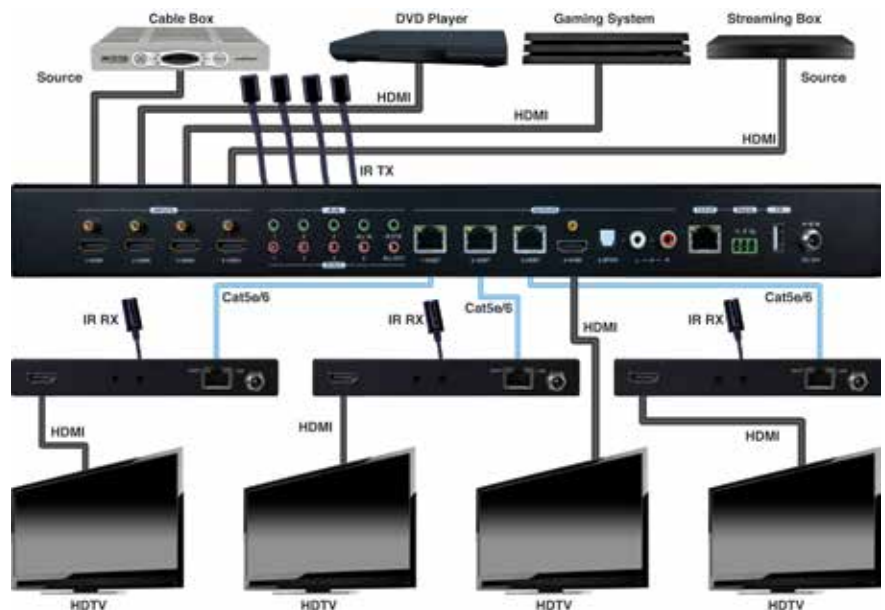
HDBASET™ 4K RECEIVER
WITH POC, DOWNSCALING, ARC, IR AND RS-232

- Supports HDMI resolutions up to 4K@60Hz, 4:4:4 chroma sampling and HDR
- Extends 4K@60Hz 4:4:4, and HDR10 up to 131ft/40m and 1080p up to 230ft/70m over a single Cat6 cable
- Ability to downscale 4K to 1080p
- Audio extraction with digital optical audio breakout
- Supports ARC with Evolution EVMX44PRO and EVMX88PRO matrix units via HDMI or digital optical audio input
- 18Gbps high bandwidth
- Features Power over cable (POC) Technology, which provides power for the receivers resulting in easy installation
- Bi-directional IR and RS-232 pass-through for control
- Compatible with the Evolution EVMX4X3, EVMX8X6, EVMX44PRO and EVMX88PRO matrix units
- Dimensions: 5.5" W x 0.8" H x 3.3" D

PACKAGE CONTENTS

(1) EVRXDSC Receiver

(2) Set of Mounting Hardware

(4) Plastic feet

(1) 3-pin Terminal Block for RS-232 Connection

(1) Product Manual

PART NO.	PKG.
EVRXDSC	Pkgd

HDBASET™ 4K RECEIVER
WITH POC AND BI-DIRECTIONAL IR

- Supports HDMI resolutions up to 4K@60Hz, 4:4:4 chroma sampling and HDR
- Extends 4K@60Hz 4:4:4, and HDR10 up to 131ft/40m and 1080p up to 230ft/70m over a single Cat6 cable
- 18Gbps high bandwidth
- Features Power over cable (POC) Technology, which provides power for the receivers resulting in easy installation
- Bi-directional IR pass-through for source and/or display control
- Compatible with the Evolution EVMX4X3, EVMX8X6, EVMX44PRO and EVMX88PRO matrix units
- Dimensions: 5.5" W x 0.8" H x 3.3" D

PACKAGE CONTENTS

(1) EVRXHD2 Receiver

(1) Set of Mounting Hardware

(4) Plastic Feet

(1) Product Manual

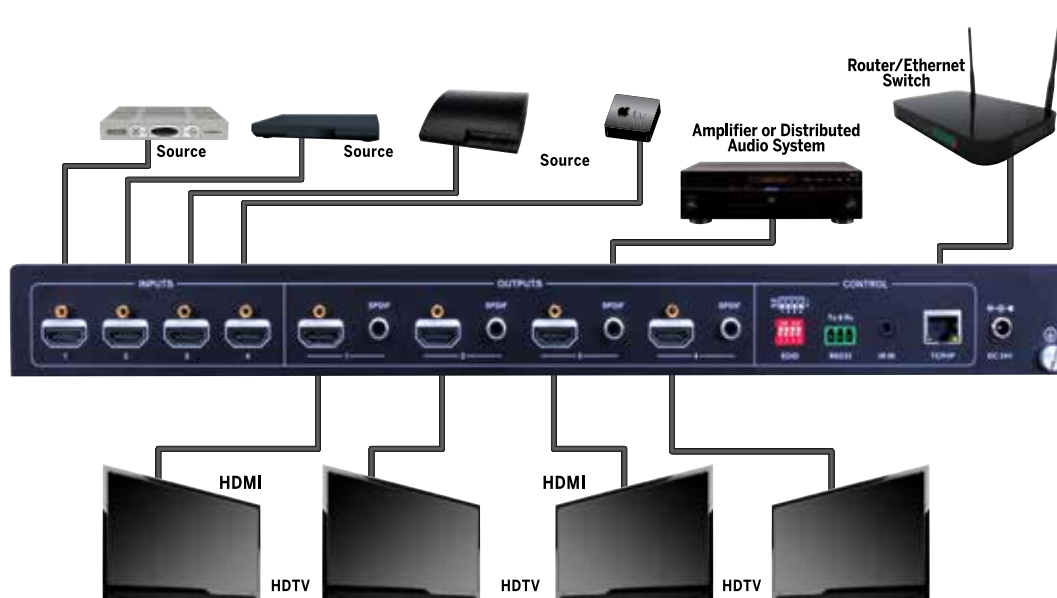| PART NO.	PKG.
EVRXHD2	Pkgd

EVOLUTION®

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

(1) EVMX4K44 4x4 Matrix

(1) IR Remote

(4) Plastic Cushions with Screws

(1) RS-232 cable

(1) IR Receiver

(1) 24V 1.25A DC Power Supply

(2) Set of Mounting Hardware

(1) Product Manual

PART NO.	PKG.
EVMX4K44	Pkgd

HDMI® 4K 4X2
MATRIX SELECTOR SWITCH WITH DOWNSCALING AND ARC

- Allows up to 4 HDMI sources to be distributed simultaneously on 2 displays
- Supports up to 4K@60Hz and 4:4:4 chroma sampling
- Supports HDR10+ and Dolby Vision
- HDCP 2.2/1.4 compliant
- Downscales 4K to 1080p resolution
- Supports Audio Return Channel (ARC)
- Source Audio Extraction
- Digital and Analog audio outputs
- Features auto and manual source switching
- Manually adjustable EDID
- IR remote control and/or manual front panel control for switching
- Dimensions: 9.9" W x 0.8"H x 4.1" D

PACKAGE CONTENTS

(1) EVMX4K42 4x2 Matrix

(1) Set of Mounting Hardware

(1) IR Remote Control

(1) 12V/1A Power Supply

(1) Product Manual

| PART NO.	PKG.
EVMX4K42	Pkgd

Source

Amplifier

HDTV

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

(1) EVMX4444 4x4 Matrix
(1) IR Receiver (RX)
(1) IR Blaster (TX)
(1) 5V 4A DC In-Line with C7 Power Cord
(1) Set of Mounting Hardware
(1) IR remote control
(1) Installation software CD
(1) Product Manual

| PART NO.	PKG.
EVMX4444	Pkgd
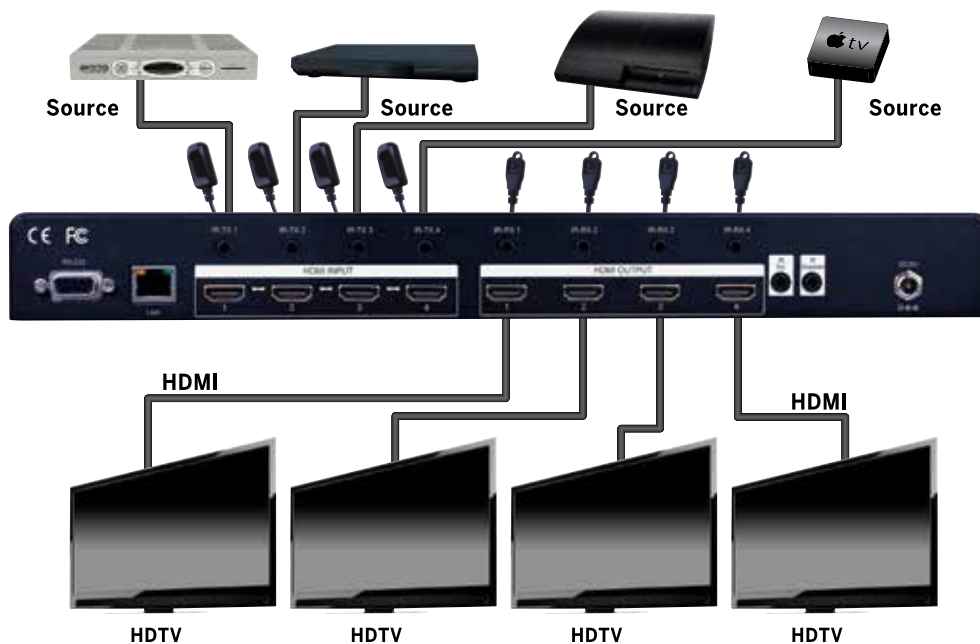
4K 4X4
SEAMLESS AUDIO AND VIDEO MATRIX WITH VIDEO WALL

- 4K 4×4 Matrix with Video Wall Modes
- Supports up to 4K@60Hz and 4:4:4 chroma subsampling
- Features resolution scaling with multiple formats available
- Supports up to a 4 display video wall
- Supports 180° screen rotation and bezel adjustments
- Includes built-in audio matrix to distribute up to four zones with analog and digital outputs
- Able to embed audio onto HDMI outputs
- IR pass-through to control sources from display locations
- Controllable via front panel, IR, RS-232 and TCP/IP
- Easy and intuitive User Interface to control switching and video wall functions via IP
- HDMI 2.0 and HDCP 2.2 compliant
- Rack mountable design
- Dimensions: 17" W x 8.7" D x 1.7" H

PACKAGE CONTENTS

(1) EVMX44VW 4×4 Matrix Switcher

(1) IR Remote

(4) IR Receivers

(4) IR Emitters

(5) 3-pin Phoenix Connectors

(4) 5-pin Phoenix Connectors

(1) VAD9113X Toslink (Female) to 3.5mm Stereo (Male) Adapter

(1) AC Power Cord

(1) Product Manual

| PART NO.	PKG.
EVMX44VW	Pkgd
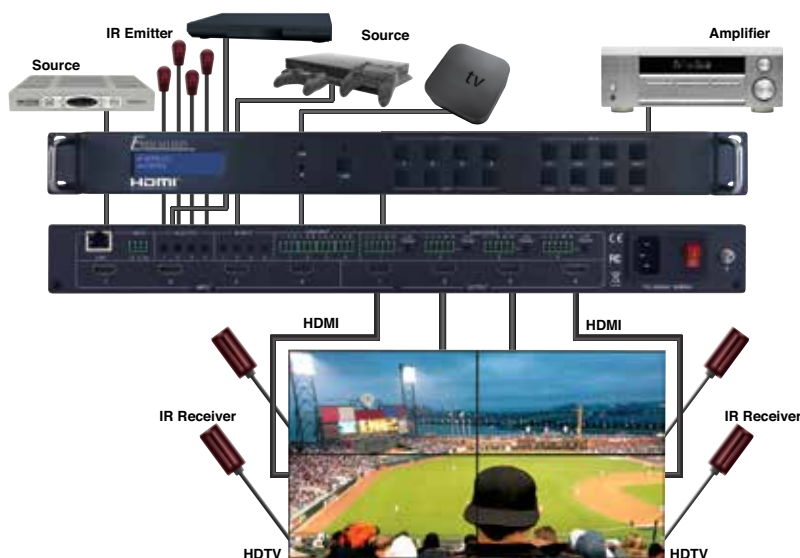
EXPANDABLE 4K 2X4 HDMI®
VIDEO WALL PROCESSOR

- 4K 2×4 HDMI Video Wall Processor
- Allows for 16 rows and columns of displays in any video wall configuration up to 16×16
- Two HDMI loop-outs to cascade into other units for larger video walls or to monitor sources locally
- Two HDMI inputs allow for multiple source video wall configurations, or to switch one source across the entire video wall display
- Passes up to 4K@60Hz with HDR
- Able to scale output resolutions
- HDMI 2.0 and HDCP 2.2 compliant
- Customizable options for bezel adjustment
- Supports 180° screen rotation
- Able to be controlled over RS232 and TCP/IP via product software or 3rd party control systems
- Dimensions: 8.5" W x 5.7" D x 1.7" H

PACKAGE CONTENTS

(1) EVSP24VW 2×4 Video Wall Processor

(1) 5-pin Phoenix Connector

(2) 3-pin Phoenix Connector

(1) RS232-Phoenix Connector Adapter Cable

(1) Digital Audio Optical Adapter

(1) 12V/3A Power Supply

(1) Product Manual

PART NO.	PKG.
EVSP24VW	Pkgd

Control/Network

Amplifier

Set-Top Box

Computer

TV
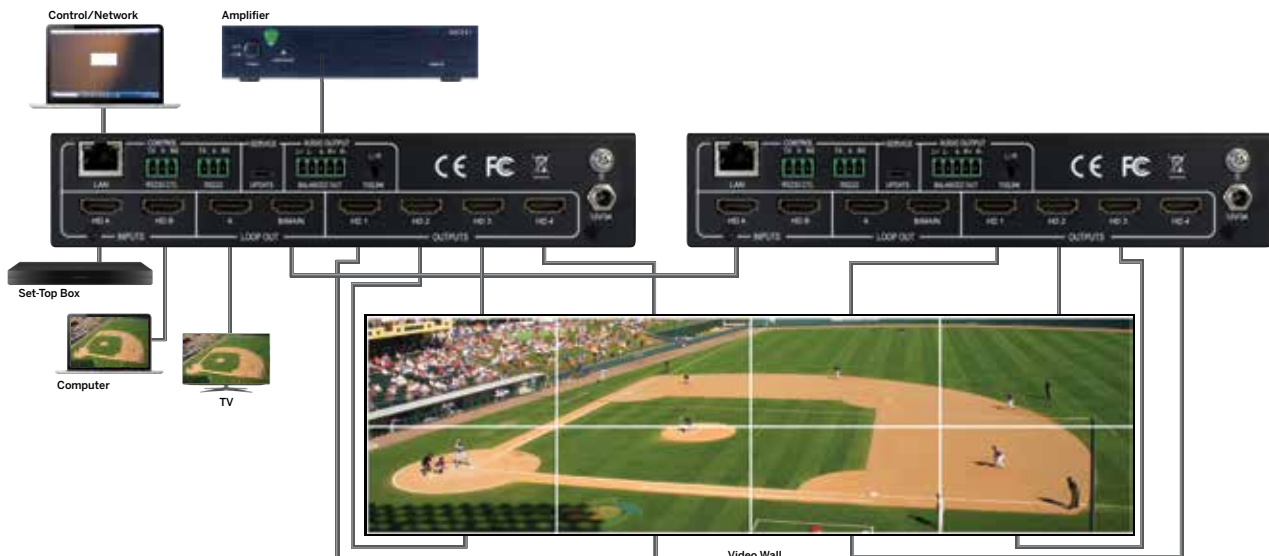
Video Wall

4X1 HDMI® SWITCH
WITH QUAD-VIEW AND KVM USB CONTROL

- 4×1 HDMI switcher with Quad-View and USB control
- Supports four HDMI inputs which can be viewed one at a time, or simultaneously in a Quad-View in each corner
- Supports high definition resolutions up to 1080p@60Hz
- Includes built-in USB switcher that pairs with HDMI inputs to control sources with USB control
- Able to control four sources with just one keyboard and/or mouse
- Features two additional USB 2.0 ports to be shared amongst all four sources
- Dimensions: 8.25" W x 6.25" H x 1.75" D

PACKAGE CONTENTS

- (1) EVSW41KVM 4×1 HDMI Switch
- (1) IR Remote Control
- (2) L-shaped feet
- (6) Installation screws for feet
- (1) Phoenix connector for RS-232 connection
- (1) 12V DC Power Supply
- (1) Product Manual

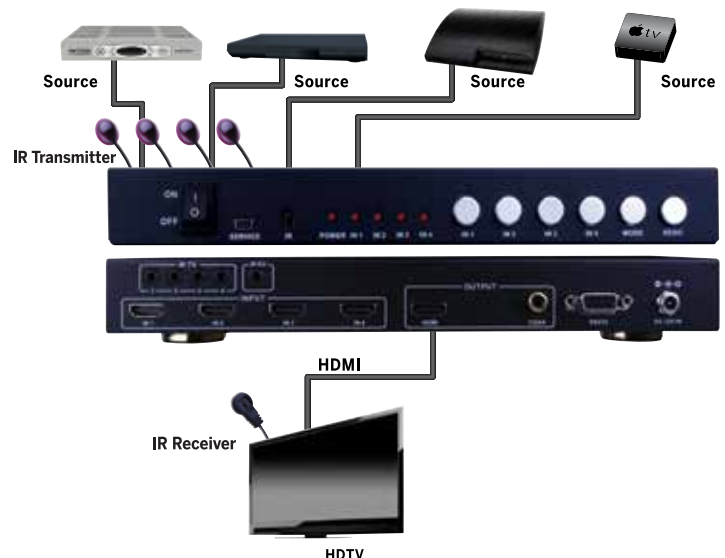| PART NO.	PKG.
EVSW41KVM	Pkgd

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

(1) EVSW1040 4x1 Switch

(4) Wideband IR TX cables

(1) Wideband IR RX cable

(1) Remote Control

(1) 12V 2.5A DC Power Supply

(1) RS-232 Cable

(1) Product Manual

PART NO.	PKG.
EVSW1040	Pkgd

4 Sources to 1 screen!

Great for digital signage!

Source

Source

Source

Source

IR Transmitter

HDMI

IR Receiver

HDTV

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

(1) EVSW21MV 2x1 Switch

(1) 5V DC Power Supply

(1) IR Remote Control

(1) RS-232 Serial Cable

(1) Product Manual

PART NO.	PKG.
EVSW21MV	Pkgd

Source

HDMI

Source

HDMI

HDMI

**Side-by Side and PIP viewing options**

HDTV

EVOLUTION®

4K 1X4 HDMI®
SPLITTER OVER CAT6 CABLE WITH HDMI LOOP-OUT

- Allows a single source to be split and extended to multiple displays
- Complete kit with (4) PoE Receivers included
- Features an additional HDMI output which can be used for a local display or to cascade to another splitter for a larger distribution system
- Transmission Range: Extends 4K@60Hz, 4:4:4 Chroma with HDR10 and IR up to 230ft/70m and 1080p up to 330ft/100m over a single Cat6 cable
- Features Power over Ethernet (PoE) Technology which transmits power over Cat6, allowing the receivers to be powered without connecting a power supply
- Latency under 30ms
- Supports bi-directional IR (20~60kHz) for source or display control
- IR accessories included allowing for source control from each UTP display location
- Features auto and manual EDID options for compatibility with source and displays
- Digital audio breakout on the receivers for source audio extraction
- HDCP 1.4/2.2 compliant
- Slim and compact design
- RS232 control of splitter
- Pure uncompressed 7.1 ch digital audio
- Supports DTS-HD and Dolby TrueHD high bit rate audio
- Splitter Dimensions: 14.3" L x 4.09 W x 0.9" H
- Receiver Dimensions: 4.17" L x 3.8" W x 0.75" H

PACKAGE CONTENTS

(1) EV4K7014 1×4 Splitter

(4) EV4K7014 PoE Receivers

(1) IR Blaster

(4) IR Receivers (display)

(1) 3-pin terminal block (phoenix connector)

(1) 12V/3A power supply

(1) Set of mounting hardware and screws

(1) Product Manual

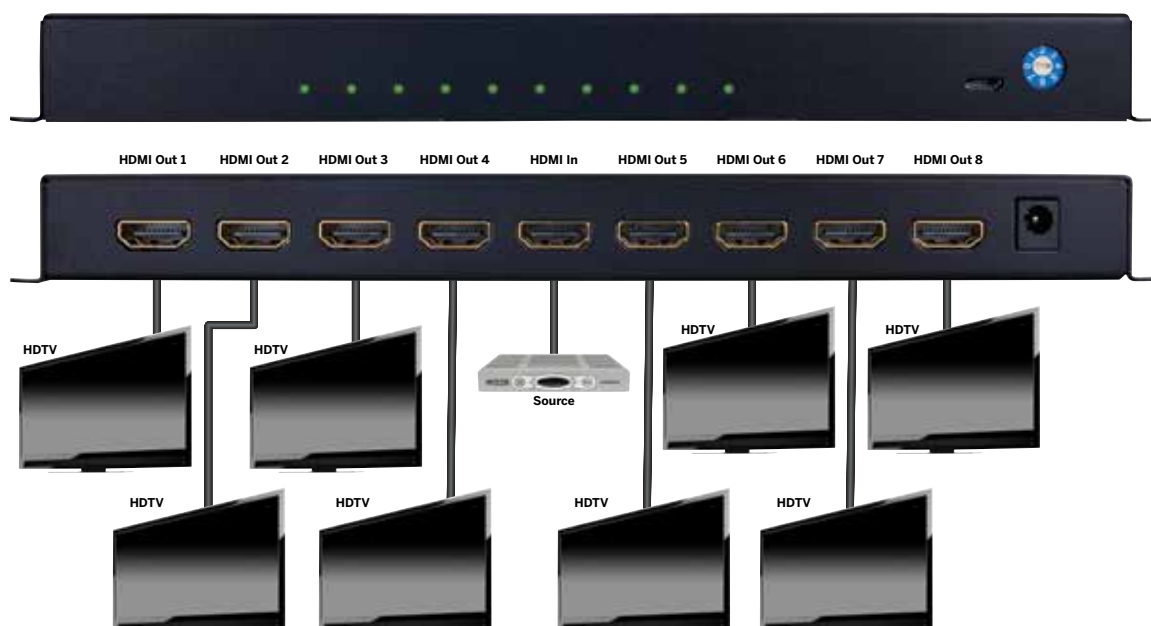| PART NO.	PKG.
EV4K7014	Pkgd
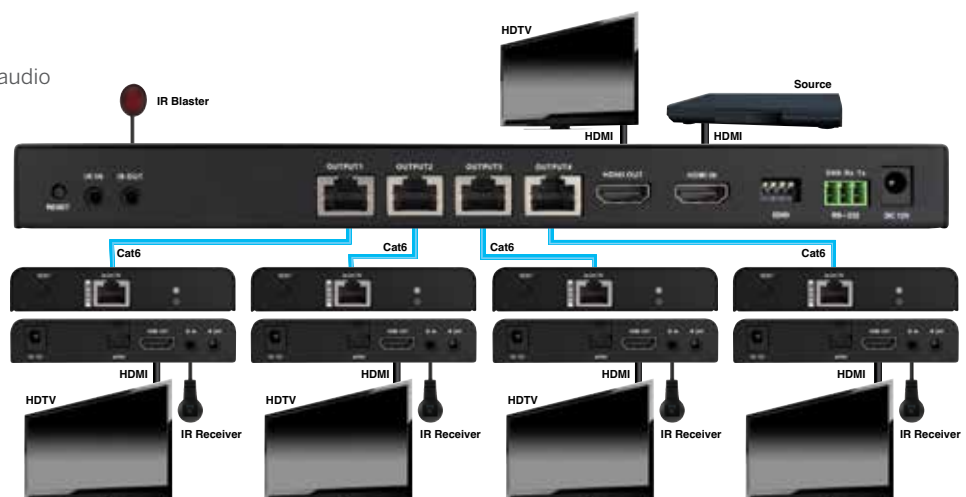
4K HDMI® 1X8 SPLITER
WITH EDID AND SCALING

- 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 4K and 1080p resolutions simultaneously; downscales to 1080p for lower resolution displays while maintaining 4K on other outputs
- Supports up to 4K@60Hz with 8 bit color, and 4:4:4 color sampling
- Supports up to 4K@60Hz with 10 bit color, and 4:2:0 color sampling and HDR
- HDCP 2.2 and 1.4 compliant
- Wide frequency range: 25MHz~600MHz
- High bandwidth:18Gbps
- Features EDID management
- Micro-USB firmware update for expanding compatibility
- Dimensions: 9.1" W x 2.7" H x .9" D

PACKAGE CONTENTS

(1) EVSP18SC 1x8 Splitter

(1) DC 5V Power Supply

(1) Product Manual

PART NO.	PKG.
EVSP18SC	Pkgd

4K HDMI® 1X4 SPLITTER
WITH EDID AND SCALING

- Transmits audio and video from a single source to 4 displays up to 4K (2160p) Ultra High Definition resolution without any loss of quality or resolution
- Supports 4K and 1080p resolutions simultaneously; downscales to 1080p for lower resolution displays while maintaining 4K on other outputs
- Supports up to 4K@60Hz with 8 bit YCBCR and 4:4:4 color sampling
- Supports up to 4K@60Hz with 10 bit YCBCR, 4:2:0 color sampling and HDR
- HDCP 2.2 and 1.4 compliant
- Wide frequency range: 25MHz~600MHz
- HDCP 1.4/2.2 compatible
- High bandwidth: 18Gbps
- Features EDID management
- Micro-USB connection for firmware updates for expanding compatibility
- Dimensions: 4.43" W x 3.43" H x 1.6" D

PACKAGE CONTENTS

(1) EVSP14SC 1x4 Splitter

(1) 5V 1A DC Power Supply

(1) Product Manual

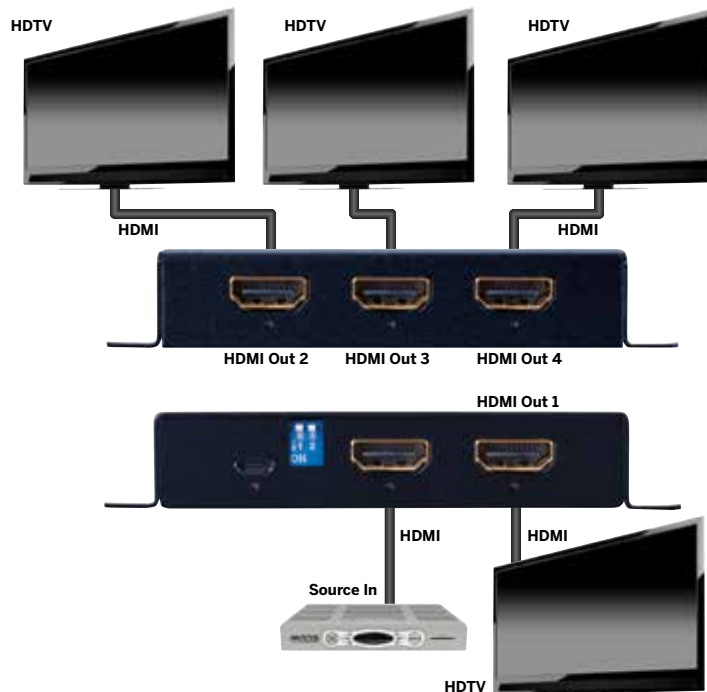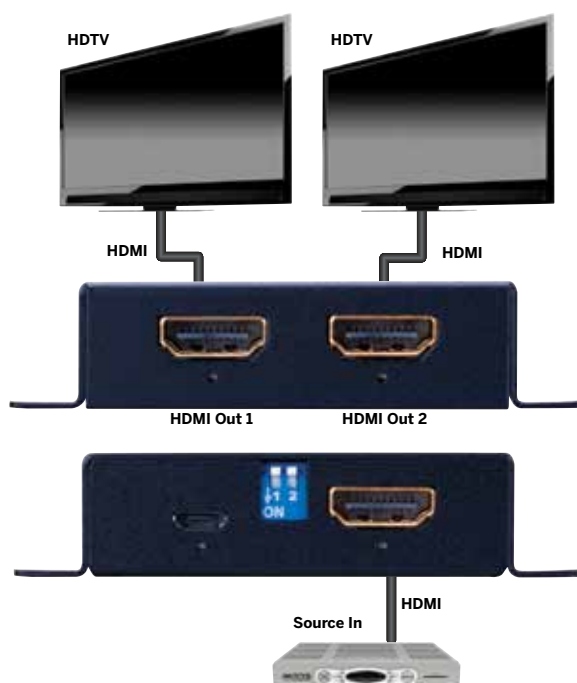| PART NO.	PKG.
EVSP14SC	Pkgd

4K HDMI® 1X2 SPLITTER
WITH EDID AND SCALING

- Transmits audio and video from a single source to 2 displays up to 4K (2160p) Ultra High Definition resolution without any loss of quality or resolution
- Supports 4K and 1080p resolutions simultaneously; downscales to 1080p for lower resolution displays while maintaining 4K on other outputs
- Supports up to 4K@60Hz with 8 bit YCBCR and 4:4:4 color sampling
- Supports up to 4K@60Hz with 10 bit YCBCR, 4:2:0 color sampling and HDR
- HDCP 2.2 and 1.4 compliant
- Wide frequency range: 25MHz~600MHz
- HDCP 1.4/2.2 compatible
- High bandwidth: 18Gbps
- Features EDID management
- Micro-USB connection for firmware updates for expanding compatibility
- Dimensions: 3.75" W x 2.25" H x 1.6" D

PACKAGE CONTENTS

(1) EVSP12SC 1x2 Splitter

(1) 5V 1A DC Power Supply

(1) Product Manual

PART NO.	PKG.
EVSP12SC	Pkgd

HDTV   HDTV

HDMI   HDMI

HDMI Out 1   HDMI Out 2

HDMI

Source In

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

(1) EVSP4K18 1x8 Splitter

(1) 12V 1A DC Power Supply

(1) Product Manual

PART NO.	PKG.
EVSP4K18	Pkgd

PREMIUM 4K HDMI® 1×4 SPLITTER
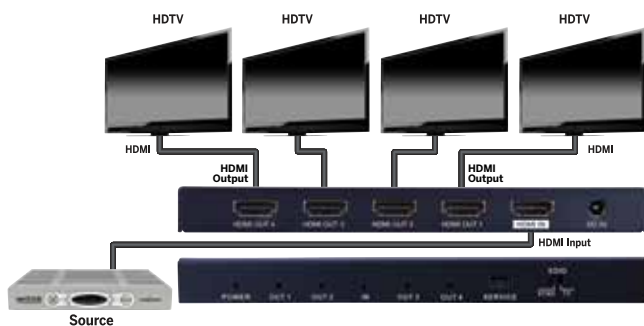
PACKAGE CONTENTS

(1) EVSP4K14 1x4 Splitter

(4) Plastic Cushions

(1) 5V 1A DC Power Supply

(1) Set of Mounting Hardware

(1) Product Manual

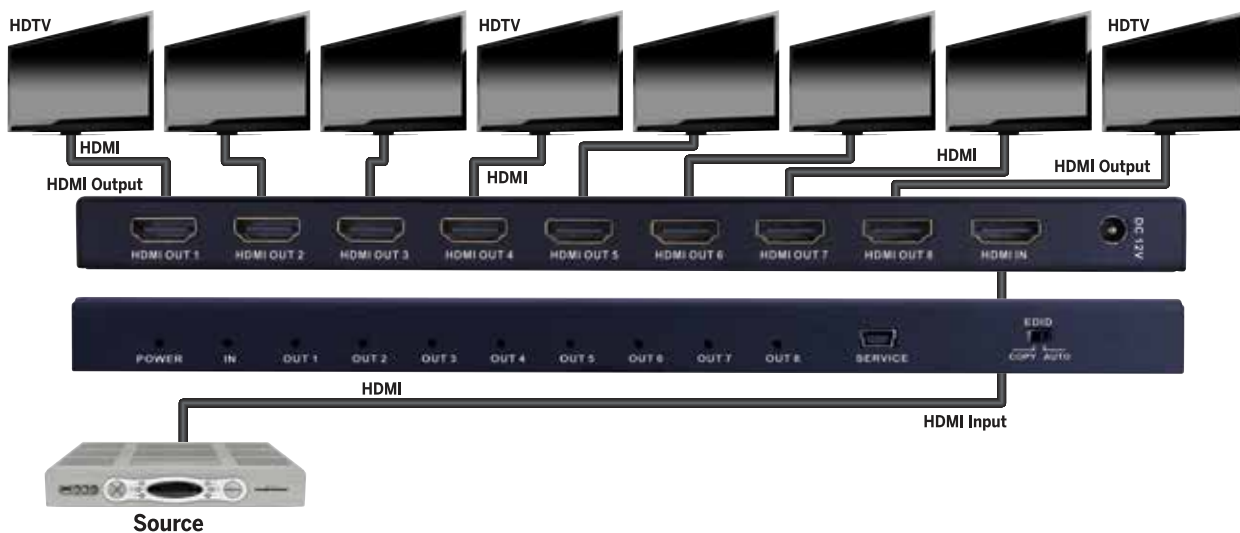| PART NO.	PKG.
EVSP4K14	Pkgd

- 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
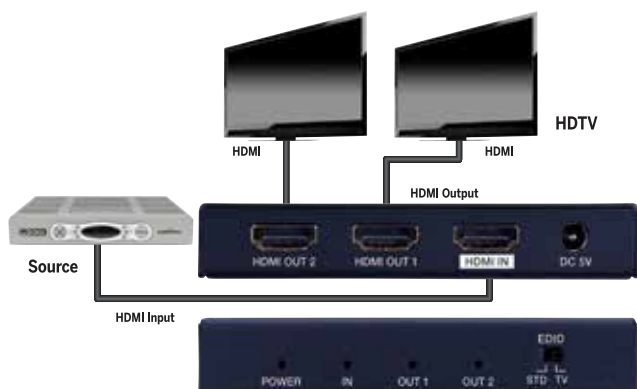- Dimensions: 6.4" W x .6" H x 2.5" D

PREMIUM 4K HDMI® 1×2 SPLITTER

PACKAGE CONTENTS

(1) EVSP4K12 1x2 Splitter

(1) 5V DC Power Supply

(1) Product Manual

PART NO.	PKG.
EVSP4K12	Pkgd

- 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
- Dimensions: 4" W x .4" H x 2.3" D

EVOLUTION

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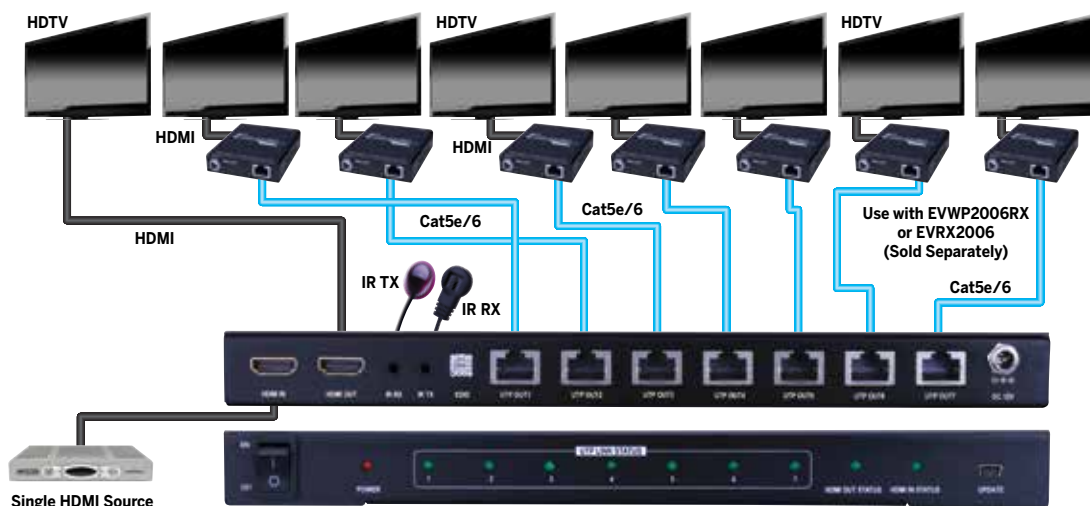## ADDITIONAL HDMI® OUTPUT

- 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 26)
- 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

(1) EVSP1017 1x7 Splitter

(1) IR Blaster (TX)

(1) IR Receiver (RX)

(1) 12V 2A DC Power Supply

(1) Product Manual

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

PART NO.	PKG.
EVSP1017	Pkgd

HDMI® SPLITTERS

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 26)
- 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
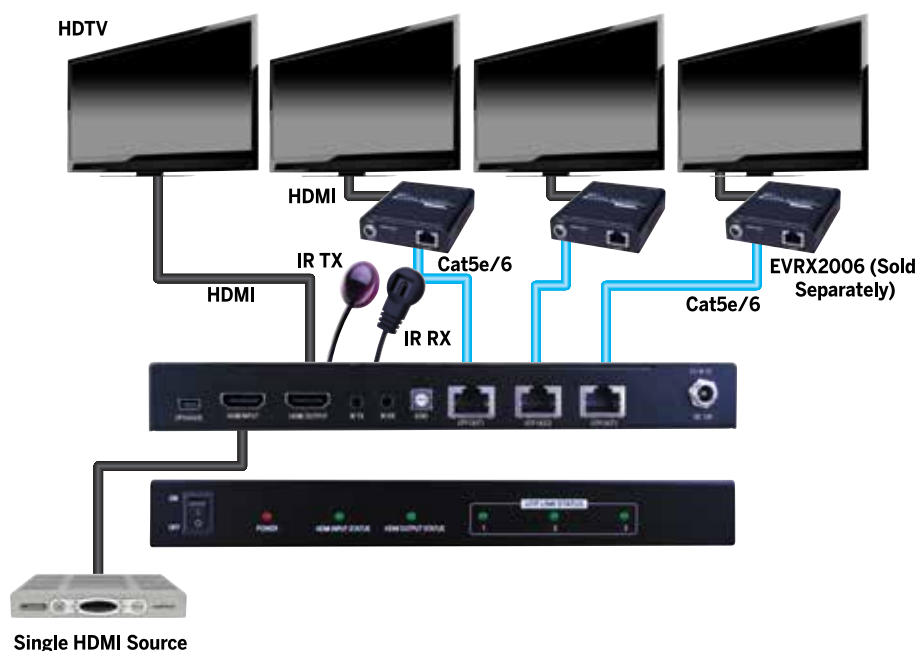- HDCP 2.0 compatible
- Dimensions: 8.1" W x 1" H x 3.5" D

PACKAGE CONTENTS

(1) EVSP1013 1x3 Splitter

(1) IR Blasters (TX)

(1) IR Receiver (RX)

(1) 12V 2A DC Power Supply

(1) 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

4K HDMI® RECEIVER

HDMI® POE
RECEIVER

- 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

PACKAGE CONTENTS

(1) EVRX2006 HDMI POE Receiver

(1) IR TX

(1) IR RX

(1) Product Manual

PART NO.	PKG.
EVRX2006	Pkgd

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

HDTV

IR Receiver

IR Transmitter

HDMI

HDMI over Cat5e/Cat6
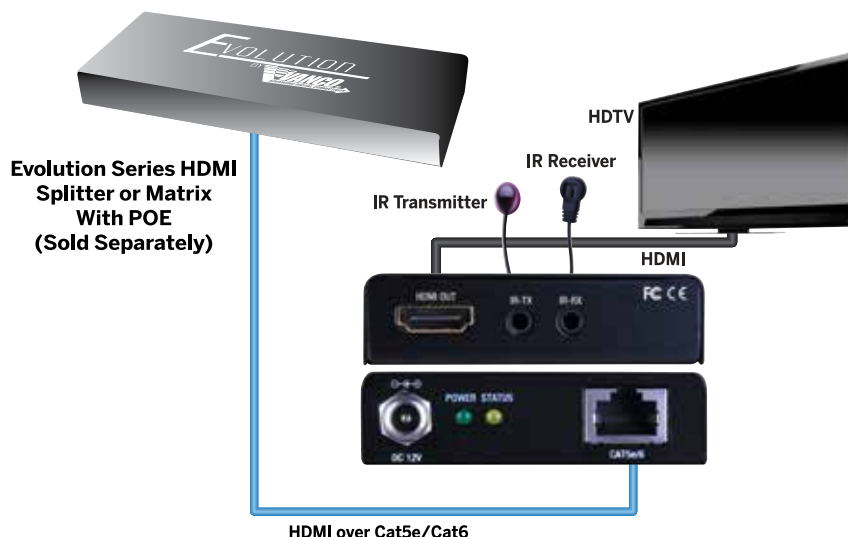
4K 4X1 MULTI-FORMAT WIRELESS COLLABORATION SWITCHER
WITH WIRED AND WIRELESS CONNECTIVITY

- 4×1 collaboration switcher with wired and wireless connectivity
- Perfect solution for conference room and presentation applications
- Supports Miracast/Airplay for wireless connection
- Supports HDMI 2.0b, 4K@60Hz, 4:4:4, HDR and HDCP 2.2 with HDR
- HDR10 and Dolby Vision compatible
- Wireless BYOD (Bring Your Own Device) capability via AirPlay and Miracast
- Soft Codex capabilities for integration with 3rd party video conferencing software
- Provides up to 60w charging, USB data (USB 3.0/2.0) and 4K video transmission on USB-C port
- Audio de-embedding built in to break out audio to an amplifier or audio distribution system
- Two type-B USB ports for host connection; two type-A USB ports for USB devices such as webcams, mouse, keyboard, etc
- Auto-switching mode
- Smart EDID management
- Front panel buttons trigger both CEC and RS232 commands for display control
- Dimensions: 9.37" x 1" x 5.3"

PACKAGE CONTENTS

(1) EVSW4K41 Collaboration Switcher

(1) 5-pin Phoenix Connector

(1) External Antenna

(1) RS-232 Cable (3-pin to DB9)

(2) Mounting Ears and (4) Mounting Screws

(1) 24V DC 5A Power Adapter

(1) Product Manual

| PART NO.	PKG.
EVSW4K41	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

(1) EVSW1061 6x1 Switcher

(1) IR Receiver

(1) IR Remote

(2) 3-pin Pluggable Terminal Blocks

(1) 5V 3A DC Power Supply

(1) Set of Mounting Hardware

(1) Product Manual

PART NO.	PKG.
EVSW1061	Pkgd
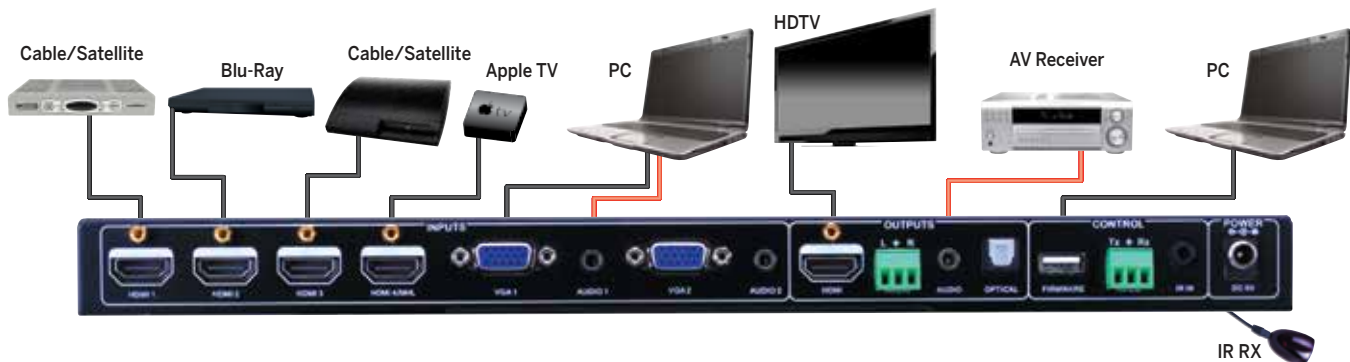
SELECTOR SWITCHES

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
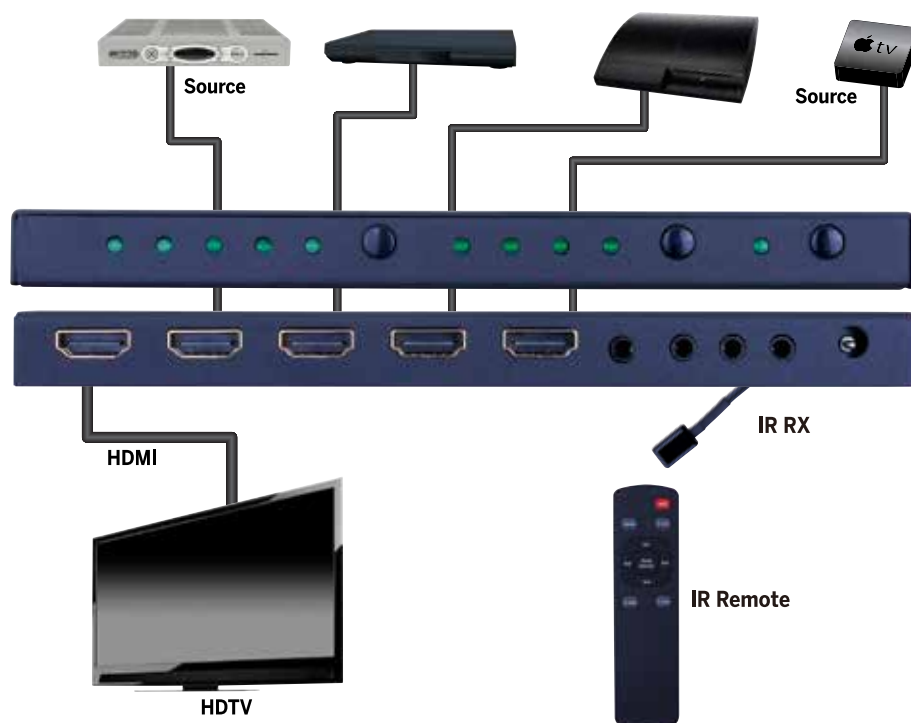
PACKAGE CONTENTS

(1) EVSW1042 4x1 Switch

(1) IR Receiver

(4) IR Transmitters

(1) 3.5mm Stereo (Male) to 4- 3.5mm Stereo (Female)

(1) Optical convert adapter (for SPDIF audio output)

(1) IR Remote

(1) 5V 1A USB Power Adapter

(1) 5V USB to DC Power Supply Cable

(1) Product Manual

PART NO.	PKG.
EVSW1042	Pkgd

Source

Source

HDMI

IR RX

IR Remote

HDTV

EVOSKILLZ AUDIO EMBEDDER
SOURCE SENSING WITH EDID AND SCALING

- Automatically embeds audio from a secondary analog audio source onto an HDMI video signal
- Switches back to HDMI Input audio once analog audio signal is not present
- Adjustable gain for increased volume and stabilizing audio switching
- Supports 4K@60Hz, 4:4:4 chroma sampling with HDR10 and Dolby Vision video
- HDCP 2.2/1.4 compliant
- Supports CEC Bypass
- HDMI Passthrough of PCM, DTS, and Dolby audio formats
- USB port for power, firmware updates, and software setup
- Dimensions: 5" W x 2.6" H x 1" D

PACKAGE CONTENTS

(1) EVOSKLZ1 Audio Embedder

(1) 5V 3A DC Power Supply

(1) Product Manual

U.S. Patent No. 10,848,818 B2

PART NO.	PKG.
EVOSKLZ1	Pkgd

HDMI Source

Analog Audio/Voice Control Source

HDMI

Stereo Audio Cable

HDTV

HDMI

HDMI® EXTENDER
OVER FIBER WITH KVM USB PASS-THROUGH

- Transmits audio and video via HDMI as well as complete KVM (Keyboard, Video, Mouse) functionality via
- USB 2.0 ports over fiber optic cables
- Transmission range: 984ft/300m over multi-mode fiber optic cables; 6.2mi/10km over single mode fiber optic cables
- Supports 4K@60Hz, 4:2:0 chroma sampling and HDR; 4K@60Hz and 4:4:4 chroma sampling
- Supports HDR10 and Dolby Vision
- USB 2.0 pass-through
- Includes (2) USB ports on receiving end for keyboard/mouse connectivity
- Features bi-directional IR (20kHz to 60kHz) pass-through for source and/or display control
- RS-232 pass-through
- Supports HDCP2.2
- Multi-mode SFP modules included
- Dimensions: 4.9" W x 4.4" H x 1.1" D

PACKAGE CONTENTS

(1) EVEXFBRK1 Extender

(1) IR Transmitter

(1) IR Receiver

(2) DV 12V Power Supply

(1) USB 2.0 Male A Male-to-Male Cable

(2) Multi-mode SFP Modules

(1) Product Manual

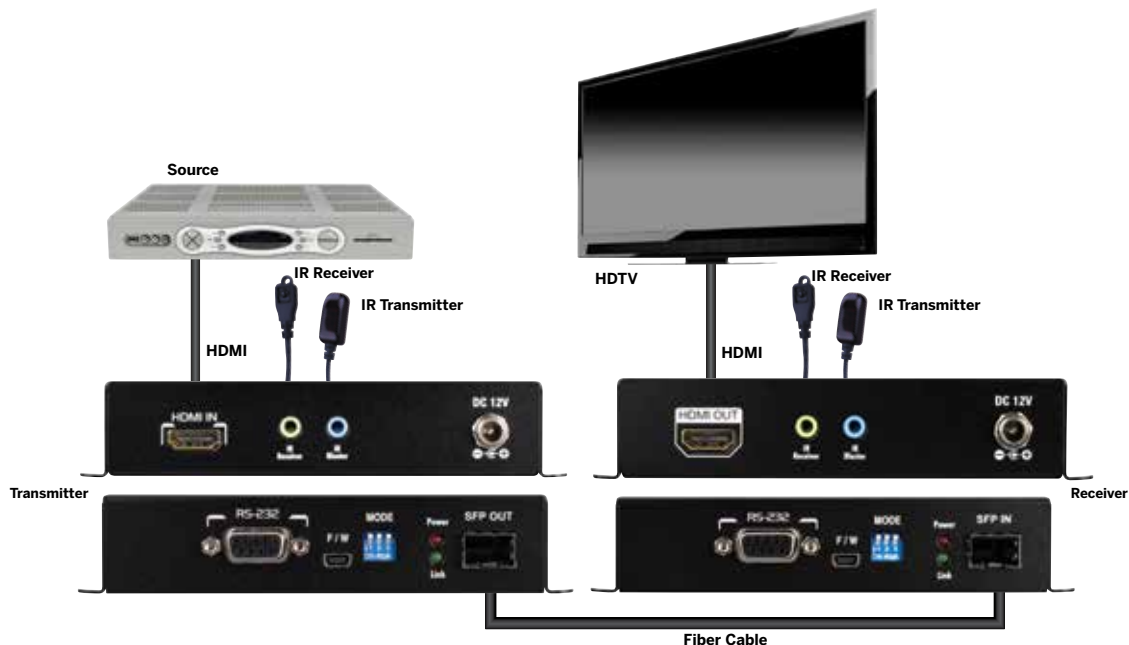| PART NO.	PKG.
EVEXFBRK1	Pkgd

HDMI® EXTENDER
OVER FIBER WITH IR AND RS-232

- Transmits audio and video via HDMI as well as bi-directional IR and RS-232
- Transmission range: 984ft/300m over multi-mode fiber optic cables; 6.2mi/10km over single mode fiber optic cables
- Supports 4K@60Hz, 4:2:0 chroma sampling and HDR; 4K@60Hz and 4:4:4 chroma sampling
- Supports HDR10 and Dolby Vision
- Features bi-directional IR (20kHz to 60kHz) pass-through for source and/or display control
- RS-232 pass-through
- Supports HDCP2.2
- Multi-mode SFP modules included
- Dimensions: 4.9" W x 4.4" H x 1.1" D

PACKAGE CONTENTS

(1) EVEXFBR1 Extender

(1) IR Transmitter

(1) IR Receiver

(2) DV 12V Power Supply

(2) Multi-mode SFP Modules

(1) Product Manual

PART NO.	PKG.
EVEXFBR1	Pkgd

Source

IR Receiver

IR Transmitter

HDMI

HDTV

IR Receiver

IR Transmitter

HDMI

HDMI IN

DC 12V

HDMI OUT

DC 12V

Transmitter

Receiver

RS-232

MODE

Power

SFP OUT

F/W

Link

RS-232

MODE

Power

SFP IN

F/W

Link

Fiber Cable

UNCOMPRESSES HDBASET™ EXTENDER
WITH EARC, KVM AND ETHERNET

- HDMI 2.0b, HDCP 2.2 and HDBaseT 3.0 compliant
- Uncompressed 4K@60Hz 4:4:4 up to 18Gbps video bandwidth
- HDR, HDR10, HDR10+, Dolby Vision and HLG pass through
- LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD pass through
- Transmission distance up to 328ft/100m via single CAT 6A/7 cable, up to 196ft/60m via single Cat6
- Supports eARC/ARC function (the audio is returned to the HDMI IN port, HDMI OUT(AUDIO ONLY) port and SPDIF OUT port of the transmitter.)
- Supports SPDIF audio reverse transmission Bi-directional IR, RS-232 and 1G Ethernet signal pass through
- Supports USB2.0 transmission, Host/Device is configurable
- Bi-directional 24V POC function
- Dimensions: 6.7" W x 4" D x 0.8" H

PACKAGE CONTENTS

(1) EVEXHDB3 Extender

(1) IR Blaster Cable

(1) IR Receiver Cable

(1) Set of Mounting Hardware

(2) 3-pin 3.81mm Phoenix Connector

(1) 24V/1A Locking Power Adapter

(1) Product Manual

| PART NO.	PKG.
EVEXHDB3	Pkgd
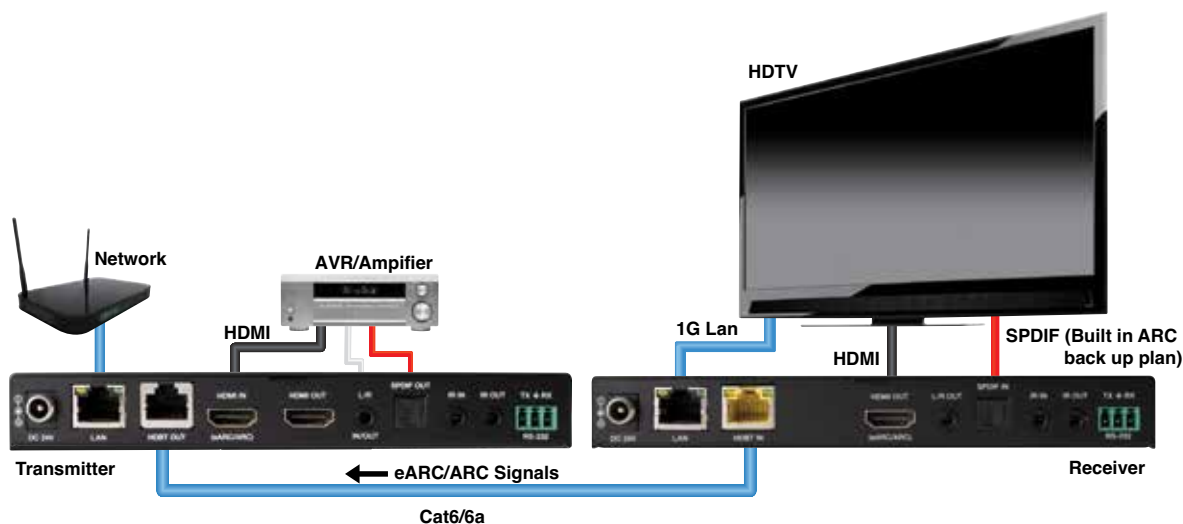
HDBASET™ 4K@60HZ, 4:4:4 CHROMA, HDR EXTENDER (230FT/70M)

- 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

(1) EVEXHDB2 Extender

(1) IR Transmitter (IR TX)

(1) IR Receiver (IR RX)

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

(1) 24V DC Power Supply

(1) Set of Mounting Hardware

(1) Product Manual

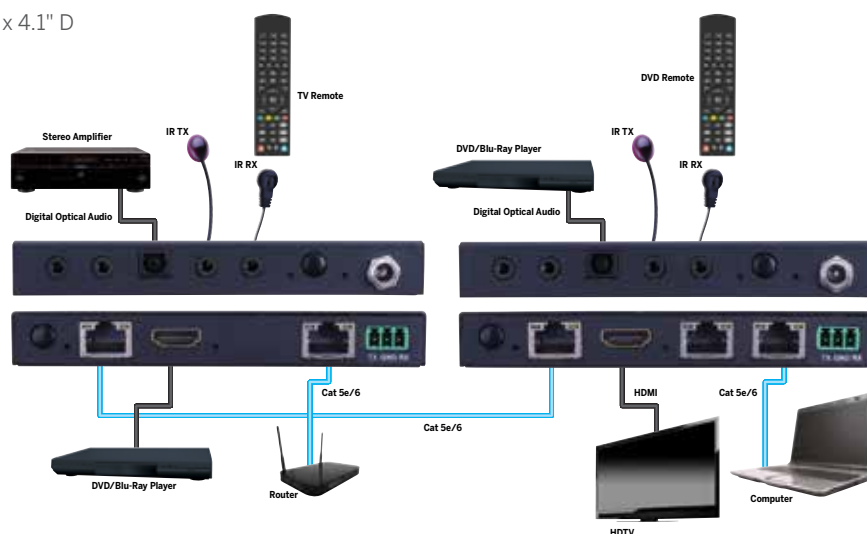| PART NO.	PKG.
EVEXHDB2	Pkgd
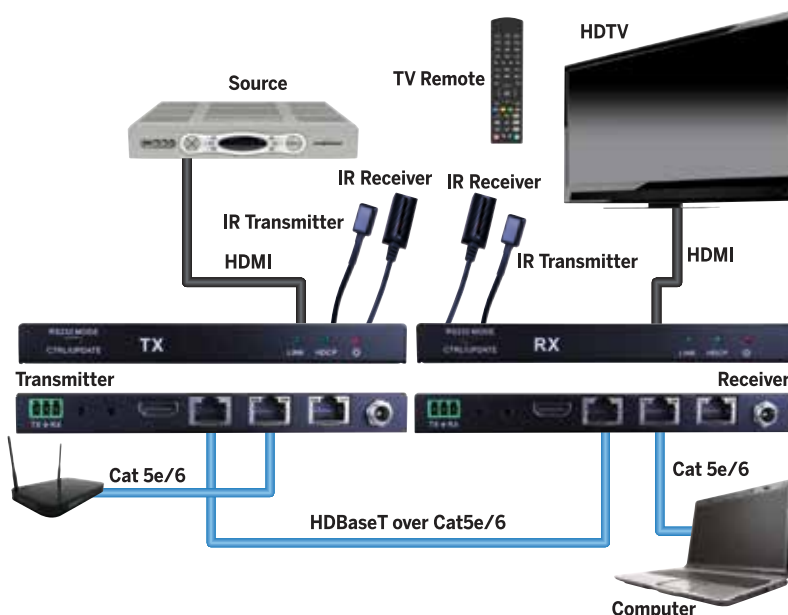
HDBASET™ 2.0 4K EXTENDER
WITH ARC AND DIGITAL/ANALOG AUDIO BREAKOUTS

- 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

(1) EVEXHDARC Extender

(1) IR Blaster (TX)

(1) IR Receiver (RX)

(1) 24V 1A DC Power Supply

(1) Phoenix Connector

(1) Product Manual

PART NO.	PKG.
EVEXHDARC	Pkgd

HDBASET™ EXTENDER
WITH ARC AND DIGITAL AUDIO BREAKOUTS

- Features the latest HDBaseT Technology – optimized for whole-home or commercial distribution of high definition signals at much greater distances of standard HDMI cables

- 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

- SPDIF digital audio breakout for any source components without ARC

- Transmission Range: Extends 1080p@60Hz up to 164ft/50m over a single Cat5e/6 cable

- Features bi-directional Power over Cable (PoC) which transmits power over Cat5e/6, allowing for either the transmitter or receiver to be powered without the use of a power supply

- Bi-directional IR pass-through for source and/or display control

- Supports PCM, Dolby True HD, and DTS-master formats

- Dimensions: 5.5"W x 2.6" H x 0.7" D
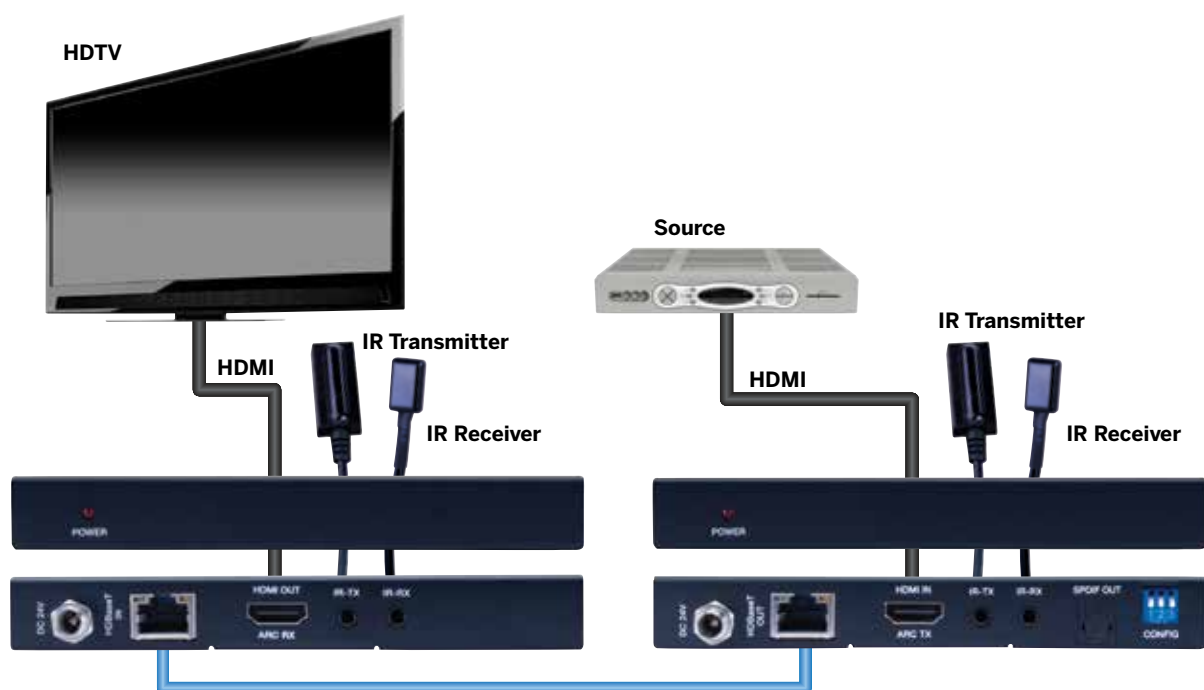
PACKAGE CONTENTS

(1) EVEXARC1 Extender

(1) IR Blaster (TX)

(1) IR Receiver (RX)

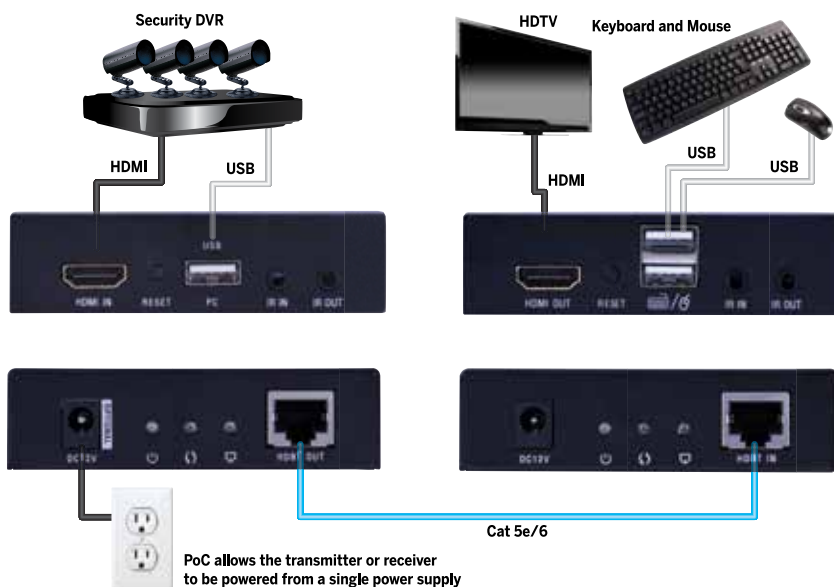(1) 12V DC Locking Power Supply

(1) Product Manual

PART NO.	PKG.
EVEXARC1	Pkgd

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

(1) EVEXKVM2 Extender

(2) IR Transmitters (IR TX)

(2) IR Receivers (IR RX)

(1) USB Cable (Type A)

(1) 12V 2A DC Power Supply

(1) Product Manual

PART NO.	PKG.
EVEXKVM2	Pkgd

Security DVR

HDTV   Keyboard and Mouse

HDMI   USB

HDMI   USB   USB

Cat 5e/6

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

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

(1) EVEX4K50 Extender

(1) IR Transmitter (IR TX)

(1) IR Receiver (IR RX)

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

(1) 12V DC Power Supply

(1) Set of Mounting Hardware

(1) Product Manual

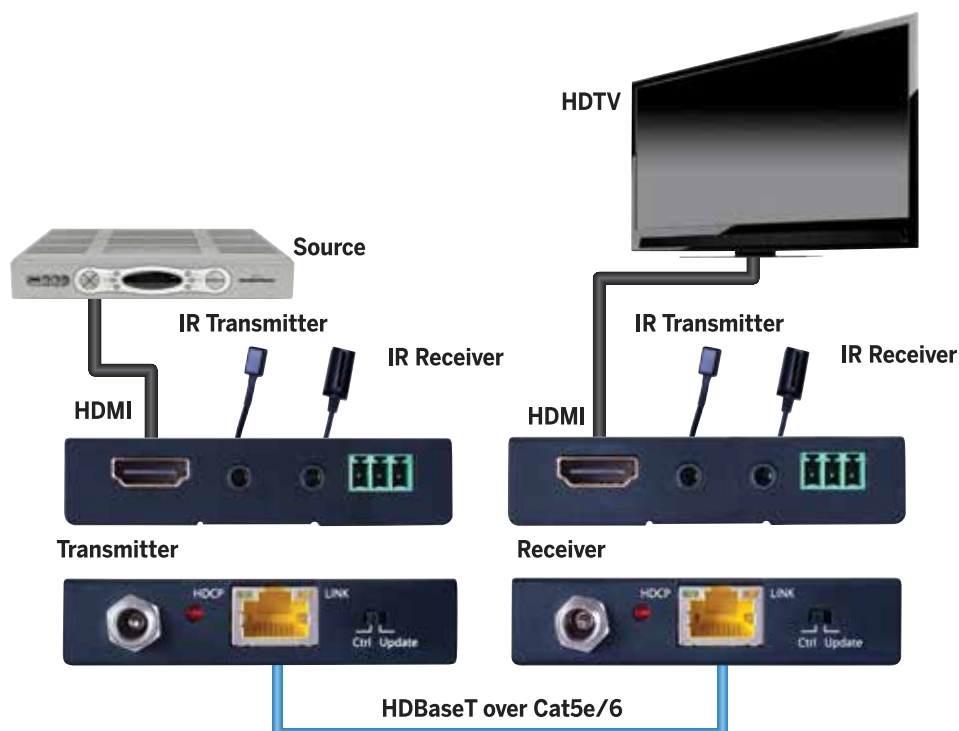| PART NO.	PKG.
EVEX4K50	Pkgd
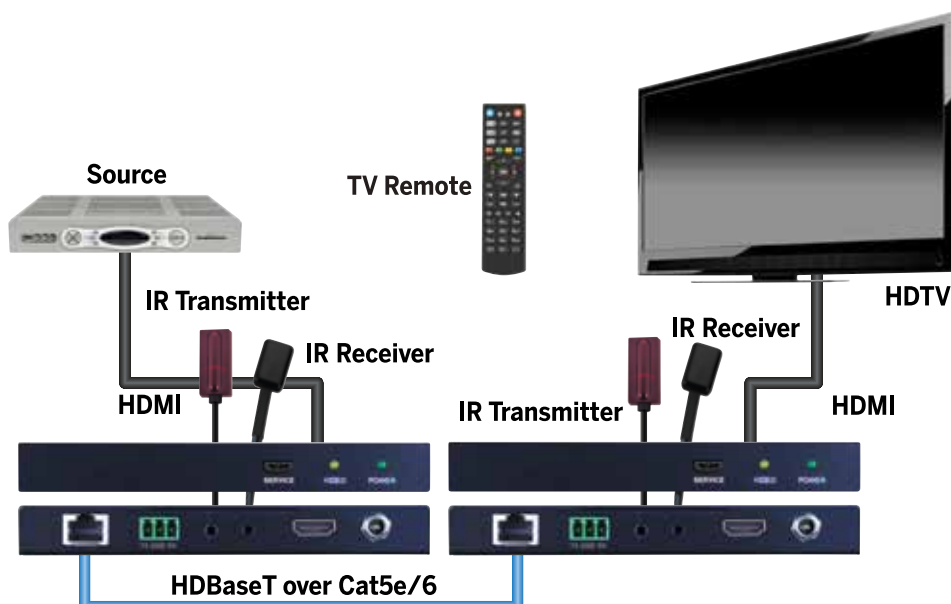
HDBASET™ EXTENDER
WITH POC

- 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

(1) EVEXHDB1 Extender

(1) IR Blaster (TX)

(1) IR Receiver (RX)

(1) 12V DC In Line Power Supply

(1) Set of Mounting Hardware

(1) Product Manual

PART NO.	PKG.
EVEXHDB1	Pkgd

HDTV

Source

IR Transmitter

IR Receiver

IR Transmitter

IR Receiver

HDMI

HDMI

Transmitter

Receiver

**HDBaseT over Cat5e/6**

4K HDMI® EXTENDER
WITH KVM

- Allows HDMI audio/video and KVM (keyboard, video, mouse) signals to be transmitted using a single Cat6/6A/7 Cable
- Extends 4K@60Hz, 4:4:4, and HDR10 up to 230ft/70m and 1080p up to 330ft/100m
- Extends USB control and data signals for keyboards, mice, and touchscreen displays
- Visually zero-latency (up to 30ms)
- Features bi-directional Power over Ethernet (PoE) technology which transmits power over Cat6, allowing the transmitter and receiver to be powered off a single power supply
- Supports multiple audio formats such as (Dolby TrueHD 7.1CH/Dolby Digital 5.1CH)
- Dynamic EDID for compatibility and plug and play operation
- HDMI loop-out for local monitoring or use with other HDMI distribution products
- Digital optical audio breakout for audio extraction
- Slim and compact design
- Dimensions: 5.9" W x 4.2"H x 1.1"D

PACKAGE CONTENTS

(1) EVEXKVM3 Extender

(1) 12V/2A Power Supply

(1) USB Type A to USB
   Type A cable

(8) Mounting Brackets

(18) Screws

(1) Product Manual

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

PART NO.	PKG.
EVEXKVM3	Pkgd
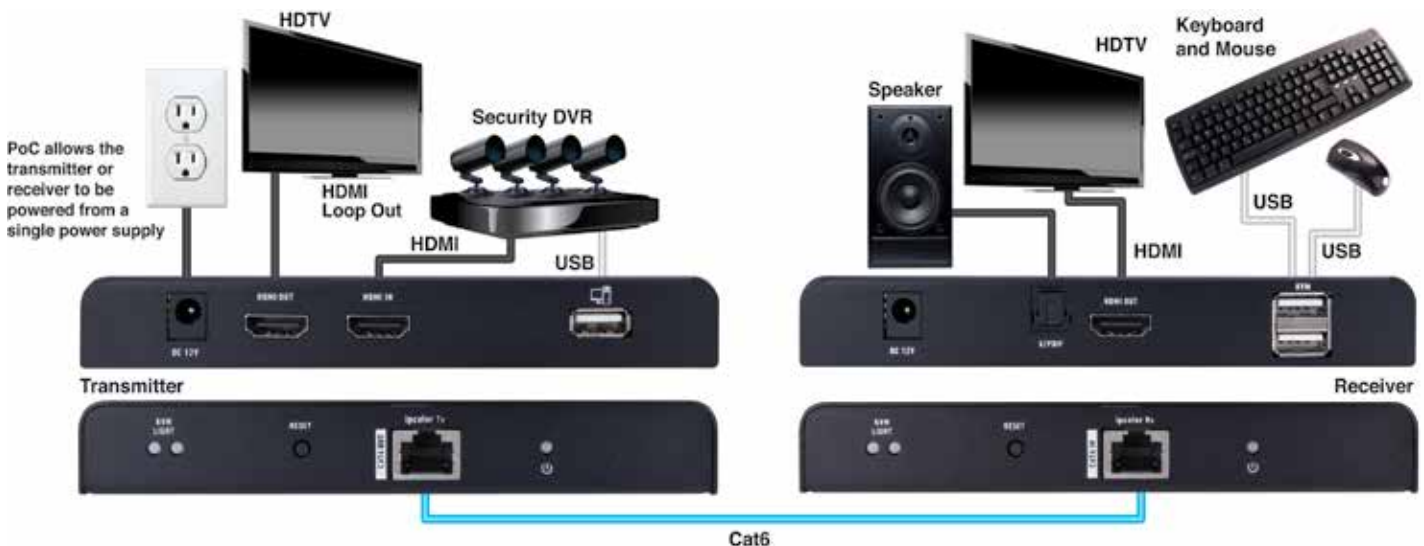
HDMI®EXTENDER
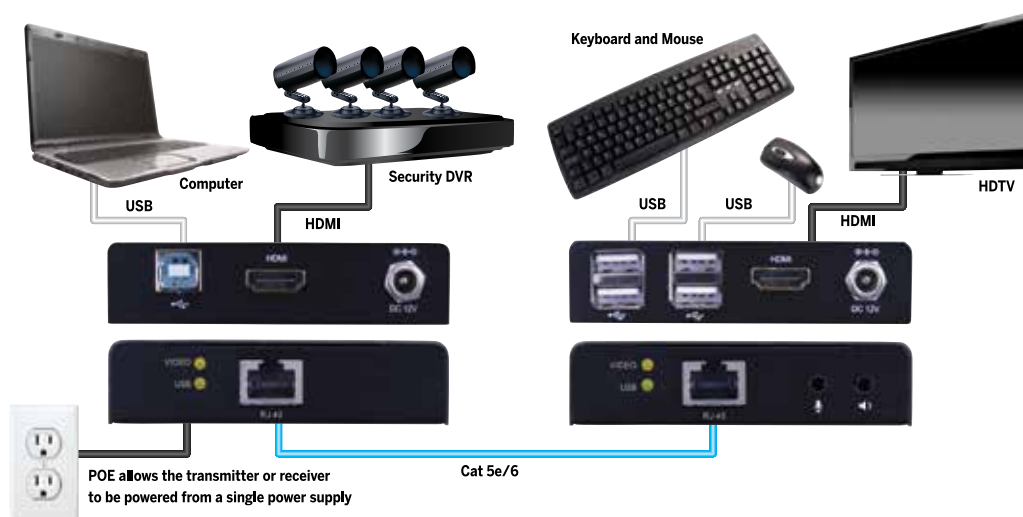## WITH POE AND KVM (KEYBOARD, VIDEO, MOUSE)

- 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

(1) EVEXKVM1 Extender

(1) USB Type A to Type B cable

(1) 12V 2A DC Power Supply

(1) Product Manual

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

PART NO.	PKG.
EVEXKVM1	Pkgd

Computer
USB
Security DVR
HDMI
Keyboard and Mouse
USB   USB
HDMI
HDTV
POE allows the transmitter or receiver to be powered from a single power supply
Cat 5e/6

4K HDMI®EXTENDER
WITH DIGITAL AUDIO BREAKOUT, HDMI LOOP-OUT, IR AND POE

- Allows HDMI audio/video signals to be transmitted using a single Cat6/6A/7 Cable
- Extends 4K@60Hz, 4:4:4, and HDR10 up to 230ft/70m and 1080p up to 330ft/100m
- Features bi-directional Power over Ethernet (PoE) technology which transmits power over Cat6, allowing the transmitter and receiver to be powered off of a single power supply
- Supports multiple audio formats such as (Dolby TrueHD 7.1CH/Dolby Digital 5.1CH)
- Dynamic EDID for compatibility and plug and play operation
- HDMI loop-out for local monitoring or use with other HDMI distribution products
- Digital optical audio breakout for audio extraction
- Supports bi-directional IR (20~60KHz) for source or display control
- Slim and compact design
- Dimensions: 4.2" x 3.9" x 1"

PACKAGE CONTENTS

(1) EVEX4K70 Extender

(1) IR Receiver

(1) IR Emitter

(1) Set of Mounting Hardware

(1) DC 12V, 1A Power Suppy

(1) Product Manual

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

PART NO.	PKG.
EVEX4K70	Pkgd

HDTV

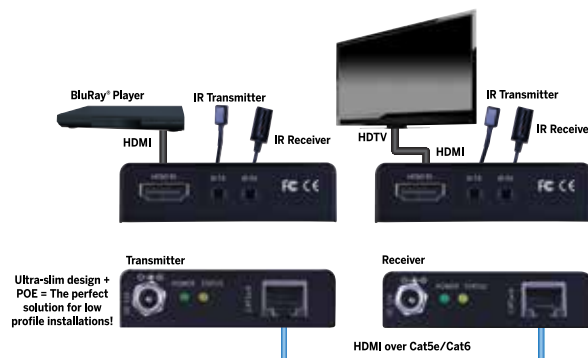Source

IR Receiver

IR Emitter

HDMI

IR Emitter

IR Receiver

HDMI

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
HDMI IR Receiver HDTV HDMI IR Transmitter IR Receiver

Transmitter Receiver

Ultra-slim design + POE = The perfect solution for low profile installations!

HDMI over Cat5e/Cat6

PACKAGE CONTENTS

(1) EV4K2006 Extender

(2) IR Blasters (TX)

(2) IR Recivers (RX)

(1) 12V DC In Line Power Supply

(1) Product Manual

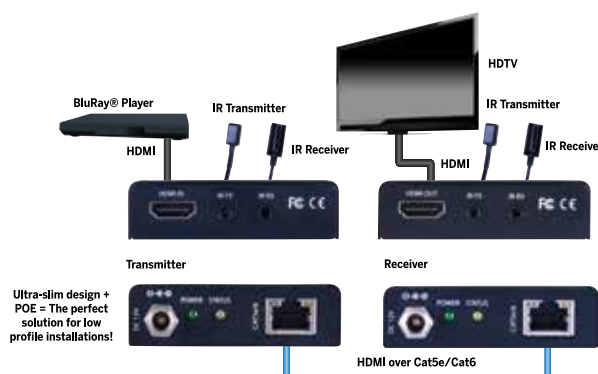U.S. Patent No. 9,710,038 B1

PART NO.	PKG.
EV4K2006	Pkgd

ULTRA SLIM 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
HDMI IR Receiver HDTV HDMI IR Transmitter IR Receiver

Transmitter Receiver

Ultra-slim design + POE = The perfect solution for low profile installations!

HDMI over Cat5e/Cat6

PACKAGE CONTENTS

(1) EVEX2006 Extender

(2) IR Blasters (TX)

(2) IR Receivers (RX)

(1) 12V DC In Line Power Supply

(1) Product Manual

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

PART NO.	PKG.
EVEX2006	Pkgd

BluRay® Player
IR Transmitter   IR Receiver
HDMI
Transmitter
Front

HDTV
IR Transmitter   IR Receiver
HDMI
Receiver
Front

Back   HDMI over Coax Cable   Back

4K HDMI® EXTENDER
OVER SINGLE COAX CABLE EXTENDER WITH BI-DIRECTIONAL IR

- Allows HDMI audio/video signals to be transmitted using a single coaxial cable
- Supports up to 4K@60Hz, 4:4:4 chroma subsampling, 8bits and HDR10
- Transmission range: Extends 4K@60Hz up to 330ft (100m); 4K@60Hz and HDR10 up to 230ft (70m) over a single RG6 coaxial cable
- HDMI 2.0 and HDCP 2.2/1.4 compliant
- Uncompressed 2CH digital HDMI over coaxial cable transmission
- Audio sample rate supports 32KHz, 44.1KHz, 48KHz
- Auto signal equalization and dynamic EDID
- Supports full frequency IR signal from 20KHz to 60KHz
- Bi-directional IR pass-through for source and/or display control
- Compact and wall mounting housing design for easy and robust installation
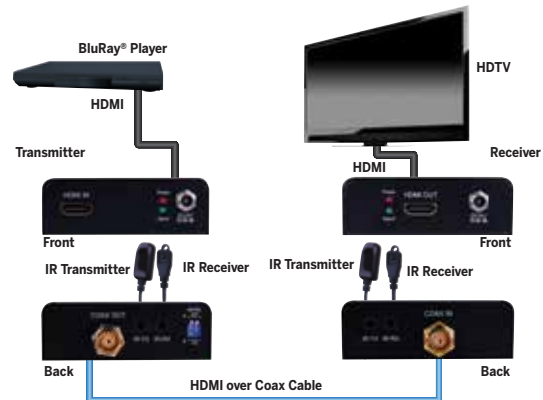- Dimensions: 3.5" x 3.7" x 1"
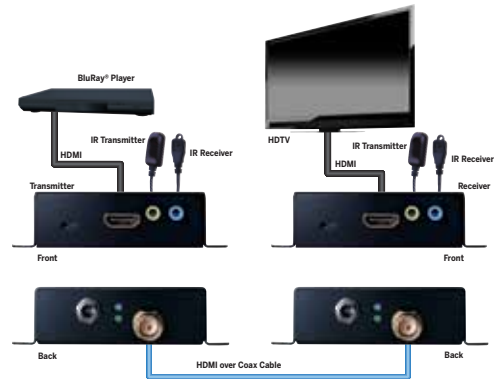
PACKAGE CONTENTS

(1) EV4K2004 Extender
(1) IR Blasters (TX)
(1) IR Receivers (RX)
(1) Set of Mounting Hardware
(2) DC 5V, 2A Power Supplies
(1) Product Manual

PART NO.	PKG.
EV4K2004	Pkgd

BluRay® Player
HDMI
Transmitter
Front
IR Transmitter   IR Receiver

HDTV
HDMI
Receiver
Front
IR Transmitter   IR Receiver

Back   HDMI over Coax Cable   Back

HDMI® EXTENDER
OVER SINGLE COAX CABLE 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

(1) EVEX2004 Extender
(1) IR Blaster (TX)
(1) IR Receiver (RX)
(2) DC 5V DC Power Supplies
(1) Set of Mounting Hardware
(1) Product Manual

PART NO.	PKG.
EVEX2004	Pkgd

HDMI® EXTENDERS

IR INTEGRATION CABLE

- Seamlessly integrates IR from specified Vanco Evolution products with third party control systems and other IR products to provide a cleaner, faster installation
- Eliminates the need to cut and splice wires or tape emitters and receivers together
- 3.5mm Stereo to 3.5mm Mono Cable
- Send IR from a control system directly into an IR RX port
- To be used with the following Evolution products: EVMX88PRO, EVMX44PRO, EVMX8X6, EVMX4X3, EVRXHD2, EVRXDSC, EVMX44VW, EVMX4K04, EVMX4K08, EVMX4K16, EVSW1061, EVEXHDB1, EVEXHDB2, EVEX4K50, EVEX2006, EVEX4K2006, EVEX2007, EVWP2006, EVEXVGAHD, EVEX4K70, EV4K2004, EV4K7014

PACKAGE CONTENTS

(1) EV-IRMST IR Integration Cable

PART NO.	PKG.
EV-IRMST	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

(1) EV-35MST Connector

PART NO.	PKG.
EV-35MST	Pkgd

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

(1) EVIRTEST Signal Analyzer

(1) IR Receiver

(1) 3.5mm Stereo cable

(1) Product Manual

PART NO.	PKG.
EVIRTEST	Pkgd

ADDITIONAL IR ACCESSORIES

- Additional IR RX and IR TX

IR TX
Part # EV-IRTX

IR RX
Part # EV-IRRX

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

(1) EVRC5002 Recorder

(1) 5V DC In Line Power Supply

(1) Set of Mounting Hardware

(1) Installation Software CD

(1) Product Manual

PART NO.	PKG.
EVRC5002	Pkgd

PART NUMBER INDEX

HDMI® 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.

The company "Vanco International, LLC" will not and cannot be liable for pictorial or typographical inaccuracies.

NOTES

VISIT THE

Welcome to the Vanco Training Center

INSTALLS SIMPLIFIED

At Vanco we are committed to helping AV distributors and dealers succeed. Our training courses combined with award winning tech support will provide distributors and dealers with the confidence they need to successfully recommend and install any of the products from our four brands.

VANCO   BEALE   EVOLUTION   PULSEAUDIO

Featured Courses

BEALE STREET   EVO-IP HDMI over IP

VANCO TRAINING CENTER

At Vanco we are committed to helping AV distributors and dealers succeed. Our training courses combined with award winning tech support will provide distributors and dealers with the confidence they need to successfully recommend and install any of the products from our four brands.

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