FSR

4K

8K

USB Type-C®

Digital Video

Connect with Confidence

Take the hassle out of designing and installing digital video based video systems!

DIGITAL VIDEO ▶
Connect With Confidence

HDMI® ((HDCP))

DV SWITCHERS

AUTO SWITCHING

DV-T6SS4K-41A
4x1 Presentation Scaling Switcher

The DV-T6SS4K-41A is a multi-format presentation scaling switcher with four HDMI® inputs and one output. It allows any HDMI® source (e.g., Blu-ray disc™ player, HD DVD player, laptop, tablets, portable devices, etc.) to be shown on the main output display with a breathtaking 4K scaled output.
- 4 x HDMI® video inputs
- HDMI® inputs support up to 4Kx2K @60Hz
- Supports multiple HDMI® output resolutions, such as 4Kx2K @60Hz, 4Kx2K @30Hz and 1080P
- Easy integration with control systems via LAN, RS-232 or control via web GUI
- Auto-source detection with external display control via CEC or RS-232 for seamless collaboration systems
- HDCP 2.2 & 1.4 compliant
- Provides HDMI® audio extraction, via 3.5mm jack
- Audio embedding via front panel 3.5mm input jack

AUTO SWITCHING

DV-HSW4K-41AUD   4x1 HDMI Switcher

The DV-HSW4K-41AUD is an ultra thin auto switcher with four HDMI® video inputs and one HDMI® output. This switcher supports HDMI® video resolution up to 4K @60Hz 4:4:4 HDR and multichannel audio. The switcher will de-embed digital stereo audio to provide an audio source for an audio system.

- Supports video resolution up to 4K @60Hz 4:4:4, Dolby Vision, HDR
- Fully compliant with the HDMI® 2.0 and HDCP 2.3 specifications
- Supports Auto switching mode. LIFO (Last in First Out)
- Advanced EDID management: multiple preset and user defined allowed
- Supports audio return channel (ARC)
- 18Gbps high bandwidth
- Controllable via RS-232 and IR
- Supports CEC

AUTO SWITCHING

DV-HDSS-41-Tx* Digital Video 4x1 Scaling Switcher with HDBaseT™ & HDMI® outputs

DV-HDSS-41-Tx is a multi-format scaling switcher with 4 inputs, 1 local HDMI® scaled output and 1 HDBaseT™, along with a balanced line level audio out. The 4 inputs include: 2 HDMI®, 1 DisplayPort, and 1 VGA (HD-15) with stereo audio (1/8"). Powered locally, it can remotely power any of our 100 meter HDBaseT™ receivers via the CAT-6A shielded cable.

- 4x1 Switcher with HDMI® and HDBaseT™ Output
- HDMI® 1.4 Input Supports up to 4K UHD / 2160p (3840x2160) @60Hz. (4:2:0 8-bit) resolutions, HDCP 1.4 Compliant
- HDBaseT™ Output up to 100m via CAT-6A shielded cable to a compatible FSR HDBaseT™ 100m Receivers
- Display control via CEC on both the HDMI® Output and HDBaseT™ Outputs
- Switcher controlled via RS-232, Front Panel, Contact Closure (with +12V LED's), or Autosense (Priority or Last In/LIFO)

AUTO SWITCHING

DV-HSW-21CEC* 2X1 HDMI® Digital Switcher

The DV-HSW-21CEC is a 2x1 HDMI® switcher supporting up to 4K x 2K @30Hz. This switcher has 1 HDMI® input supporting resolutions up to 4K x 2K @30Hz. It features 4-way control and has simple front panel push buttons, screw terminal contact closures with LED feed-back, RS-232 serial control, and autosense switching technology.

✱ Switchers on these two pages, marked with an *, can be easily integrated with FSR's full line of HuddleVU collaboration kits. They can also be easily controlled via our FLEX Control Systems.

HUDDLEVU FLEX

DV SWITCHERS *(cont'd)*

DV-MFSW-21A* *2X1 VGA/HDMI® Digital Switcher*

The DV-MFSW-21A is a HDMI® + VGA & Audio to HDMI® switcher capable of handling 4K resolutions (4K 2160p [3840x2160] @60Hz (4:2:0) in a small footprint. This switcher provides LED Feedback for contact closures and will work with FSR's Table Boxes that have integrated LED's and push buttons for a compact HuddleVU System. Features include a locking 12V power supply; control via front panel push-buttons, contact closure, RS-232 via Phoenix 3-pin, and Auto-Sensing.

MODELS AVAILABLE THAT OFFER CEC SUPPORT

The DV-HSW-21CEC and DV-MFSW-21CEC models can automatically power-up displays that have CEC capability when a source is connected. They can also power the display off after the input signal is removed for 2 minutes. Using this new CEC feature along with the auto-sense feature allows users to simply connect an input cable to a laptop or other source, and the unit will then switch to that input and turn the display on. Disconnecting the input will turn off the display after a 2-minute delay.

DV DISTRIBUTION AMPLIFIER

DV Distribution Amps are used where a single HD source needs to feed multiple displays such as classrooms and overflow areas

DV-HDA4K-12AUD

- *Supports 18Gbps video bandwidth*
- *HDMI® 2.0b, HDCP2.2/HDCP1.4 compliant*
- *Supports video resolutions up to 4K x 2K @50/60Hz (4:4:4) HDR*
- *Supports S/PDIF digital and analog audio extraction*
- *Output ports support independent output and 4K->1080P down-scaler function via the dip switch settings on device*
- *EDID can be set to copy output 1's EDID setting for both outputs*

  or compare both EDID settings and outputs the best resolution

DV-HDA-14AUD *HDMI® 1X4*
Distribution Amplifier with Built-in Audio De-embedder

- *Advanced EDID management for sources & displays*
- *Extract the audio from HDMI® source via analog outputs (RCA)*
- *HDTV Resolutions: 1080P @60Hz, 4K 2160p (3840x2160) @30Hz*
- *VESA Standard Resolutions to UXGA (1600x1200) @60Hz*

USB Type C® Digital Ribbon Cables

DR-C3.1-xxM *Digital Ribbon USB Type-C® Cables*

- *Supports USB 3.1 Gen 2 10Gbps data rate*
- *Provides 900 mA current transfer limit*
- *Offered in 10m and 15m lengths*
- *Supports Windows & Apple iOS*
- *Plug & Play without the need for software*
- *Enhanced Pull Strength of 15kg/33lbs*
- *Plenum Rated - Type CMP/FT6*

NEXTGENERATION DIGITAL RIBBON CABLES

USB Type-C®

HDMI® Digital Ribbon Cables

FSR's Next Generation Digital Ribbon Cables utilize a proprietary technology to allow high speed, high definition HDMI® signal transmission over distances of up to 328 ft.

DR-H2.0-xxM   HDMI® 50-100m Digital Ribbon Cables

- *HDMI® high speed 4k @60Hz YUV 4:4:4 and supports all HDCP versions*
- *Now supports HDMI® 2.0, DDC for HDCP, EDID, PCM, Dolby, DTS-HD and True HD audio*
- *UL Listed, Plenum Rated (Type CMP, CMR) hybrid copper and polymer cables*
- *Overcomes distance limitations of conventional HDMI® cables*
- *Integrated Aramid cords increases pull strength to 44lbs*
- *Cable and connectors easily fit within a 1" conduit*
- *ARC compatible*

DR-H2.1-xxM 8K HDMI® 10-30m 8K Digital Ribbon Cables

- *Supports up to 6' standard copper HDMI® extension cables for 4K 60Hz in-the-wall applications*
- *Video resolution up to 8K @60Hz YUV 4:4:4 and supports all HDCP versions*
- *Supports a bandwidth of 48 Gbps*
- *Lengths from 10m to 30m*
- *First Ultra High Speed Certified Active Optical 10m and 15m 8K cable 23m and 30m certification coming soon*
- *Signal integrity is uncompromised*
- *Multi format compatibility*
- *No external power or special tooling required*
- *Cable and connectors easily fit within a 1" conduit*
- *Plenum Rated - Type CMP/FT6*
- *Supports DDC for HDCP and EDID*
- *Supports PCM, Dolby, DTS-HD and True HD audio*
- *ARC compatible*
- *UL Listed*

DR-H2.O-SR-xxM and
DR-H2.1-xxM 8K with Coil Guard

Digital Ribbon Cable with SS Reinforced Jacket

- *Discreet stainless steel reinforced inner jacket*
- *Enhanced Pull Strength of 100 lbs.*
- *HDMI® with 4K @60Hz YUV 4:4:4 & supports all HDCP versions for our 4K SR cables*
- *Our newest SR cables can now handle up to 8K @60Hz 4:4:4 HDR uncompressed HDMI® video and are ARC compatible*
- *Ultra High Speed Certified 10m and 15m 8K CoilGuard cables*
- *Supports DDC for HDCP, EDID, PCM, Dolby, DTS-HD and True HD audio*
- *Overcomes distance limitations of conventional HDMI® cables*
- *ARC Compatible*
- *Suitable for Rough Service. Short term load limit of 2000N/100mm (450lbs./4")*

Plenum Rated c (UL) us

4K

Ultra High Speed Certified *10 & 15m 8K cables

8K

10m & 15m lengths only

Copper Conductors (5)
Protective Fiber Tube
Fiber Conductors (4)
DDC/Clock Pair, Foil Shielded
Impedance Controlled Conductors (2)
PVC Jacket
Aramid Fibers
Drain Wire
Overall Foil Shield

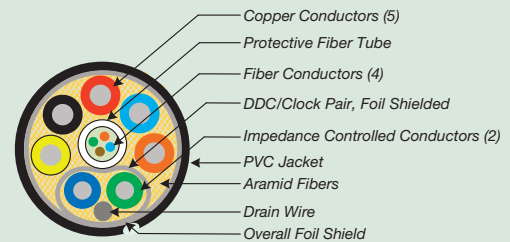with **CoilGuard**™

4K

8K

Ultra High Speed Certified *10 & 15m 8K CoilGuard cables

10m & 15m lengths only

DR-EDID

The DR-EDID Emulator is designed to manipulate the EDID information provided to a connected HDMI® source or any device connected prior to the unit in the HDMI® chain.

- 16 preinstalled EDID settings
- Passive inline device – No external power needed
- Bi-directional (bi-gender). It can be used in either direction
- HDCP 1.4 / 2.2 Compatible
- Hot pluggable
- Supports HDMI® 1.3/1.4/2.0
- Supports up to 4K/UHD @60Hz
- Learn and test the EDID from any Display

DR-EDID™ EMULATOR

HDBaseT™ 100 METER TRANSMITTERS & RECEIVERS

Any 100 Meter Transmitter (Tx) can be used with any 100 Meter Receiver (Rx)

- HDBaseT™ 5Play™ Units that transmit uncompressed full HD digital HDMI® video, Audio, Control (Bi-directional IR & RS-232), 100BaseT Ethernet, and Bi-directional PoH.
- Input resolutions: Supports 4k 2160p (3840x2160) @60Hz (4:2:0) / 1080P / 1080i / 720P / 576P / 480P / 576i / 480i
- For best resolution and ESD performance Shielded CAT-6A cable is recommended.
- HDBaseT™ transmits out to 100 Meters via Shielded CAT-6A cable at resolutions up to 1080p @60Hz (48 bpp) or 4K 2160p (3840x2160) @60Hz (4:2:0).
- Sets are powered via 12V 2A DC power supply which allows 2-way powering. Power the set from the Transmitter or the Receiver (TX-RX o RX-TX).
- Power supply included with all receivers.

*HD-HPCWP-Tx Switcher / Transmitter Wall Plate

HDBaseT™ HDMI® + VGA & Audio Switcher 2-gang Decora style wall plate transmitter. HDBaseT™ 5-Play device that transmits HD Video, Audio, Bi-directional Control (IR & RS-232), Ethernet, and Power via 1 CAT-6A shielded cable out to 100 Meters. Powered by any FSR 100m Receiver or locally. *Limited stock availability.

HD-HWP-Tx Transmitter Wall Plate

HDBaseT™ HDMI® 2-gang Decora style wall plate transmitter (HDMI® only version of HD-HPCWP-Tx wall plate).

HD-H-SP-Rx Receiver

HDBaseT™ 5-Play Receiver, receives HD Video, Audio, Bi-Directional Control (IR & RS-232), Ethernet, and Power (ships with power supply).

AUTO SWITCHING

*HD-HPCWP-TX   HD-HWP-TX   HD-HWP-TX BACK

FSR is now stocking West Penn HDBaseT™ Certified Category 6A Plenum Cable Assemblies in pre-terminated lengths from 50' to 330' (15 meter to 100 Meter). These plenum rated cables come in specific lengths with the shielded connectors already attached and will work with all of our FSR HDBaseT™ Products.

HDBaseT™ 100 METER TRANSMITTERS & RECEIVERS WITH USB

*HD-HPCUWP-TX 100m
HDBaseT 2.0 Transmitter Wall Plate

The HD-HPCUWP-TX is a 2x1 switcher for HDMI® and VGA w/audio inputs with an HDBaseT 2.0 output. It features standard two-gang mounting, with one HDMI®, one VGA plus audio input and a separate stereo audio channel on a 3.5 mm connector. The USB port is configurable to be a host or a device. HDMI® signals up to 4K/UHD @60 (YUV 4:2:0 color sub-sampling), VGA input signals up to 1920 x 1200, embedded audio, and control signals can be extended up to 328 feet (100 meters).
*Limited stock availability

HD-HU-SP-Tx & HD-HU-SP-Rx HDBaseT 2.0
and USB Transmitter & Receiver Sets

Based on HDBaseT™ 2.0 Technology these true HDBaseT™ 5-Play devices transmit HD Video (up to 4k @60hz), Audio, Bi-Directional Control (IR & RS-232), Ethernet, and Bi-directional Power via 1 CAT-6A shielded cable out to 100 Meters. They also carry two-way USB 2.0 on the same cable. There is also an analog audio-in on the TX and analog audio-out on the RX unit.

HDBaseT™ 70 METER WALL PLATE TRANSMITTER AND RECEIVER
4K @60Hz   4:4:4

HD-H704K HDBaseT™ 70 Meter
Ultra Slim-Pack Transmitter & Receiver Set

The HD-H704K-SP is a slim HDBT™ transmitter receiver set with HDCP 2.2 compatibility. It supports resolutions up to 4K @60Hz 4:4:4 8bit, transporting Ultra HD/4K video with HDR, audio, bi-directional IR and power up to 40m/130ft and 1080P signal up to 70m/230ft over a single Cat X cable. Set comes with TX, Rx, Power Supply, IR Emitters & receivers and mounting ears.

- Over a Cat 6a/7 cable, HDBT transmits 4K @60Hz 4:4:4 8bit up to 40m/130ft and 1080P up to 70m/230ft.
- Over a Cat 5e/6 cable, HDBT transmits 4K @60Hz 4:4:4 8bit up to 35m/115ft and 1080P up to 60m/200ft.

HD-H704K-WP HDBaseT™ 70M Wall Plate Set

The HD-H704K-WP 18G HDMI® extender consists of a single gang wall plate transmitter and a small thin brick receiver. The extender adopts PoC technology to extend 4K @60Hz 4:4:4 HDMI® video to distances up to 40 meters (131 feet) and 1080p @60Hz video to distances up to 70 meters (230 feet) over a single CATx cable. It supports bi-directional RS-232 and IR pass-through to control source or display devices remotely. It also supports CEC pass-through. HDBaseT™ (PoC) feature allows the transmitter to be powered by the receiver over the CATx cable.

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