AVPro edge

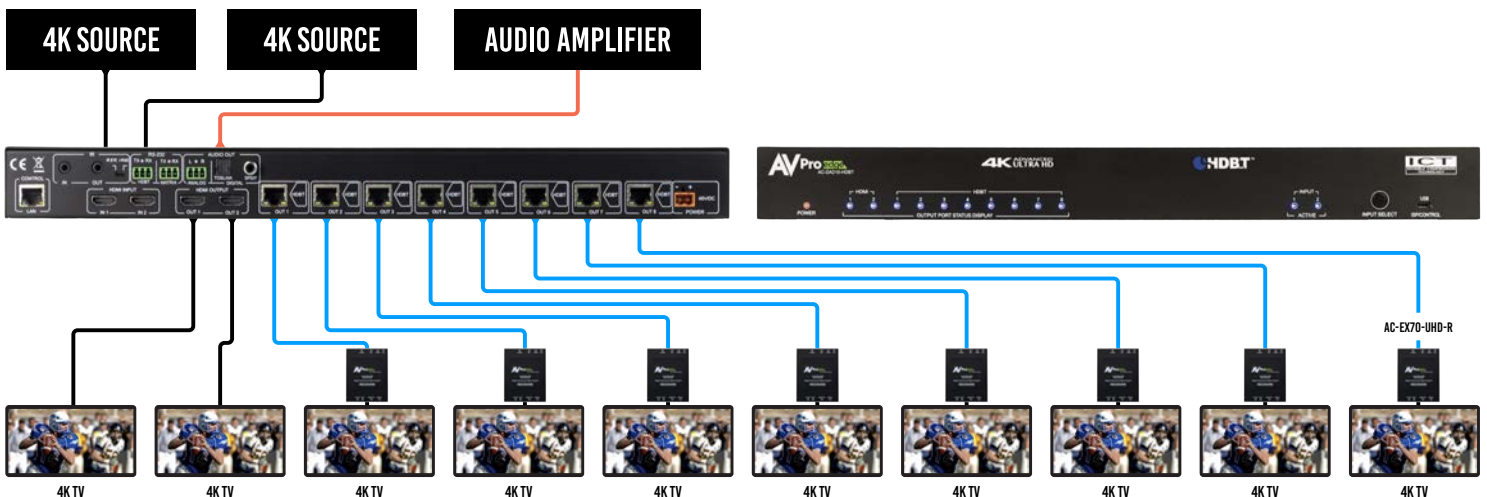## 18GBPS 4K HDMI SIGNAL DISTRIBUTION AMPLIFIER
AC-DA210-HDBT

THE AC-DA210-HDBT IS DESIGNED FOR MASSIVE DISTRIBUTIONS OVER EXTREME DISTANCES. USING TRIED AND TRUE HDBₐₛₑT TECHNOLOGY, PAIRED UP WITH AVPRO EDGE'S OWN PROPRIETARY ICT COMPRESSION, THIS DISTRIBUTION AMPLIFIER HAS SIMPLIFIED LONG DISTANCE SIGNAL FLOW DELIVERING 18GBPS 4K TO EACH OF THE CONNECTED DISPLAYS.

Simplicity and "Plug & Play" are focal points of this unit. With RS-232 and IR you can manage your end points as well for things like "Power On" or "Power Off". The unit has two switchable inputs making for more robust systems. Additionally, the dual HDMI inputs allow you to expand the switching virtually forever. The AC-DA210-HDBT is ideal for retail spaces, bars, restaurants, showrooms and public spaces where you want to have consistent messaging, images or signage across large spaces. Having two inputs allows you to switch between sources like custom signage, menus, and even HDCP protected content.

AC-DA210-HDBT CONNECTION DIAGRAM

HDMI
CAT 6A
AUDIO

4K SOURCE   4K SOURCE   AUDIO AMPLIFIER

AC-EX70-UHD-R

4K TV   4K TV   4K TV   4K TV   4K TV   4K TV   4K TV   4K TV   4K TV   4K TV

VIDEO:	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160)
HDR FORMATS/RESOLUTIONS	420, 422, 444 (10 AND 12 DEEP COLOR) HDR10, HDR10+, DOLBY VISION, HLG
COLOR SPACE	YUV (COMPONENT), RGB (CSC: REC. 601, REC. 709, BT2020, DCI, P3 D6500)
CHROMA SUBSAMPELING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT (1080), UP TO 12 BIT (4K)
AUDIO:	
AUDIO FORMATS SUPPORTED HDMI	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGTAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
EXTRACTED AUDIO	2CH (3 PIN TERMINAL BLOCK, UNBALANCED) DIGITAL (TOSLINK AND SPDIF)
DISTANCE:	
HDBᴀꜱᴇT (CAT) DISTANCE (4K)	70 METERS / 230 FEET (CAT 6A)
HDBᴀꜱᴇT (CAT) DISTANCE (FULL HD)	100 METERS / 330 FEET (CAT 6A)
HDMI IN/OUT (4K60 4:4:4)	UP TO 50 FEET (USING BULLET TRAIN HDMI)
HDMI IN/OUT (W/ AOC CABLE) (4K60) 4:4:4	UP TO 130 FEET (USING BULLET TRAIN AOC)
OTHER:	
COMPATIBLE RECEIVERS	AC-EX70-UHD-R, AC-EX70-444-RNE
BANDWIDTH	18 Gᴮᴾꜱ
HDCP	HDCP 2.2 AND EARLIER
CONTROL:	
PORTS	LAN, RS232, IR, MICRO USB
LAN WEBOS	YES
PORTS:	
HDMI (TX & RX)	TYPE A
HDBᴀꜱᴇT	RJ45 W/ POH FOR HDBASET RECEIVERS
IR (TX & RX)	3.5MM STEREO
RS232	3 PIN TERMINAL BLOCK
POWER	2 PIN TERMINAL BLOCK
ENVIRONMENTAL:	
OPERATING TEMPRATURE	23 TO 125°F (-5 TO 51°C)
STORAGE TEMPERATURE	-4 TO 140°F (-20 TO 60°C)
HUMIDITY RANGE	5-90% RH (NO CONDENSATION)
POWER:	
POWER CONSUMPTION (TOTAL)	60 WATTS MAX
POWER SUPPLY - MATRIX	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 48V 2.5A
DIMENSIONS:	
DIMENSIONS (UNIT ONLY LENGTH/WIDTH/HEIGHT)	MM: 43.69 X 143 X 441.45 INCH: 1.72 X 5.63 X 17.38
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 88.9 X 336.55 X 495.3 INCH: 3.5 X 13.25 C 19.5
WEIGHT (UNIT)	4.8 LBS (2.18 KG)
WEIGHT (PACKAGED)	7.4 LBS (3.36 KG)
*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE	

KEY BENEFITS OF USING AC-DA210-HDBT:

1) **18Gᴮᴾꜱ 4K HDBᴀꜱᴇT DISTRIBUTION (4K60 4:4:4):** Full 4K resolution is becoming increasingly important in mass distribution applications. In many applications, images are being viewed at very close proximity and having 4K is key to delivering a sharp message. This feature is valuable in public spaces where digital documentation is being shown, making messages and memos readable. Don't settle for limited 4K, deliver high bandwidth 18Gbps 4K60 (4:4:4) images to every connected display.

2) **CASCADING:** The AC-DA210-HDBT was built to be cascaded into additional units, allowing you to distribute your content to 100's of displays. The AC-DA210-HDBT also has two HDMI outputs so that you can daisy chain both sources and switch them across massive cascaded systems.

3) **AUDIO DE-EMBEDDING:** A truly unique feature to the AC-DA210-HDBT. Often times you need to extract compatible audio from the sources that is prepped for a secondary audio amplifier. With this unit you have options. You can choose to extract your audio from the unit by 2CH Phoenix, SPDIF, and Toslink Optical increasing the possibilities and compatibility. The deembedded audio is always active so you just need to plug and go. Audio always follows the active source.

4) **MAX FLOW CHASSIS:** The 19 inch 1U Rack Mount Chassis is designed for maximum air flow, this is ideal for stacking in tight racks. You can walk off the job knowing that your core distribution will remain calm and cool under pressure for years to come.

5) **ULTRA LOW-PROFILE RECEIVERS W/ POH:** The AC-DA210-HDBT is compatible with the AC-EX70-444-RNE Ultra Slim HDBaseT receivers. It is fully powered by PoH (Power Over HDBaseT) eliminating the need for bulky power supplies on the display end. IR and RS-232 signals can also pass through to the receivers for remote control.

WHERE DO THESE FIT?
These devices are perfect for distributing any two sources to an unlimited number of displays (one source at a time).

- **RETAIL SIGNAL DISTRIBUTION:** Big Box Stores & Local Retail for Advertising; Schools & Offices for Info-boards

- **BARS & RESTAURANTS:** A very simple way to "split" the signal to show in multiple locations.

- **DIGITAL SIGNAGE:** Low cost method for airports, rail, subway and more to distribute high value 4K signals

- **A WORD ON CASCADING:** Need more displays? Just connect an output to the next devices input and keep stringing the displays together – now you have a 1 x 500 DA that can switch two sources!