AC-SC-1X

FRL5 40Gbps 8K60 4:2:0/4K120 4:4:4
Down-scaler

User Manual

Contents

Introduction

The AC-SC-1X is a single input, 2 output HDMI2.1a Downscaling device capable of supporting VRR, HDCP 2.3, High Frame Rate, and 8K signals up to 40Gbps (FRL5). Equipped with 4K or 1080p downscaling on Output 1 with an additional Bypassed Output 2, Analog & SPDIF (TOS) Audio Extraction, plus a brand-new OLED Front Panel for control and diagnostics; the SC-1X seamlessly integrates with today's new Gaming Consoles, Streaming devices, and high-end PC into distribution systems with a combination of audio processors and displays from over the last 10 years

Features

- HDMI 2.1
- FRL (5)
- HDCP 2.3 and previous versions supported
- 40Gbps Bandwidth Support
- 8K60 4:2:0 Support
- 4K resolutions at 120 frames per second
- 8K resolutions at 60 frames per second
- Full HDR Support (HDR 10 & 12 Bit)
- Dolby Vision, HDR10+ and HLG Support
- HDCP 2.3 (and all earlier versions supported)
- 8K/4K > 1080p or 8K > 4K Down Scaler (Out 2)

- Perfect AVR Bypass deliver 40Gbps to Display and un-compressed audio to AVR
- Advanced EDID Management
- RS-232 and Front Panel Control Options
- Toslink Out (7CH PCM, DD, DTS)
- Balanced Analog Out (2CH PCM)

Whats in the box

- 1 x AC-SC-1X
- 1 x USB-C Cord (for power)
- 1 x 5V 1A Wall PSU
- 1 x 3 Pin Terminal Connector (For RS232)
- 1 x 3.5mm Mini Toslink adapter
- Mounting Brackets with hardware

Specifications

VIDEO:	
VIDEO RESOLUTIONS	UP TO 8K 60HZ 4:2:0/8K 30HZ 4:4:4/4K 120HZ
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 SUBSAMPLING	4:4:4, 4:2:2, 4:2:0 SUPPORTED
DEEP COLOR	UP TO 16 BIT (1080P) UP TO 12 BIT (4K)
SCALING (RESOLUTION, OUTPUT 2 ONLY)	8K TO 4K OR 8K TO 2K (1080P)
AUDIO:	
AUDIO FORMATS SUPPORTED HDMI	PCM 2.0 CH, LPCM 5.1 & 7.1, DOLBY DIGITAL, DTS 5.1, DOLBY DIGITAL PLUS, DOLBY TRUEHD, DTS-HD MASTER AUDIO, DTS-X, DOLBY ATMOS
AUDIO FORMATS SUPPORTED EXTRACTED (DIGITAL TOSLINK)	LPCM UP TO 5.1 96KHZ 24 BIT, DOLBY DIGITAL 5.1, DTS HIRES AUDIO
AUDIO FORMATS SUPPORTED EXTRACTED (2 CH PORT)	PCM 2 CH
DISTANCE:	
HDMI IN/OUT (48GBPS)	UP TO 4 METERS (USING BULLET TRAIN 48GBPS HDMI)
HDMI IN/OUT (W/ AOC CABLE) (48GBPS)	UP TO 100 METERS (USING BULLET TRAIN 48GBPS AOC)
OTHER:	
BANDWIDTH	40 GBPS (FRL 5)
HDCP	HDCP 2.3 AND EARLIER
PORTS:	
HDMI	TYPE A
AUDIO (EXTRACTED ANALOG)	3.5 MM
AUDIO (EXTRACTED DIGITAL)	OPTICAL TOSLINK - MINI TOSLINK ADAPTOR INCLUDED
FIRMWARE/CONTROL	USB-C AND RS232 (3 PIN TERMINAL BLOCK)
POWER	USB-C
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)	2.5 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 5V 1A
DIMENSIONS:	
DIMENSIONS (UNIT ONLY LENGTH/WIDTH/HEIGHT)	MM: 64.88 X 100.1 X 16.1 INCH: 2.55 X 3.94 X 0.63
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 136.5 X 155.5 X 88.9 INCH: 5.375 X 6.125 X 3.5
WEIGHT (UNIT)	0.32 LBS (0.15 KG)
WEIGHT (PACKAGED)	0.73 LBS (0.33 KG)

*SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE. MASS & DIMENSIONS ARE APPROXIMATE

Device Overview

Front Screen Display/Settings & Status - Displays the current Resolution/Timing of the HDMI Input. Use in conjunction with the four Settings buttons (UP, DOWN, ENTER, and BACK) to navigate the available settings menus and change 1-EDID, 2-Scaler settings, and 3-ExAudio (enable/disable the extracted audio port). The screen back light time can be changed using the command list (default setting is 60 seconds).

Settings Buttons EDID/Scaler - Use these 4 buttons to navigate the available front screen menus.

UP/DOWN - Cycles menu and menu options up or down.

Enter Button - Opens menu/makes menu Selections.

Back Button - Exit menu/exit menu selection.

Device Overview Cont.

USB-C POWER/CTRL - This USB-C port provides power to scaler. Power using a USB port on the sync, or use the provided wall power adapter. Connect to a PC will provide power and also communication. See page XX for command list.

**ACTIVITY LED** - This LED indicates activity on the HDMI INPUT port (from the source).

HDMI INPUT - HDMI 2.1 (FRL5) Input.

RS-232 Port - 3 pin terminal block from control. See page XX for command list.


MINI TOS & L/R AUDIO OUT - This is a combination port. You can use 3.5mm audio cable to extract 2Ch PCM. Or use the provided Mini TOSLINK/3.5mm adapter to connect a standard TOSLINK cable.

LOOPED HDMI OUTPUT (OUT1) - This port is not scaled. Connect to the sync device you want the full signal to go to.
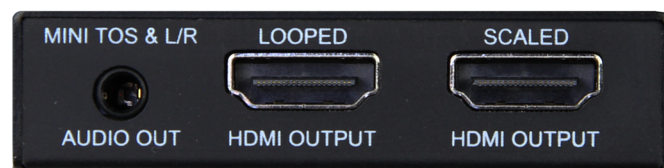
SCALED HDMI OUTPUT (OUT2) - This port is scaled. Connect to the sync device that needs to be down-scaled, there are 2 options available.

1. Scaler 2K - This will down-scale any 8K or 4K signal down to 2k (1920x1080P).
2. Scaler 4K - This will down-scale any 8K signal to 4K (3840x2160).
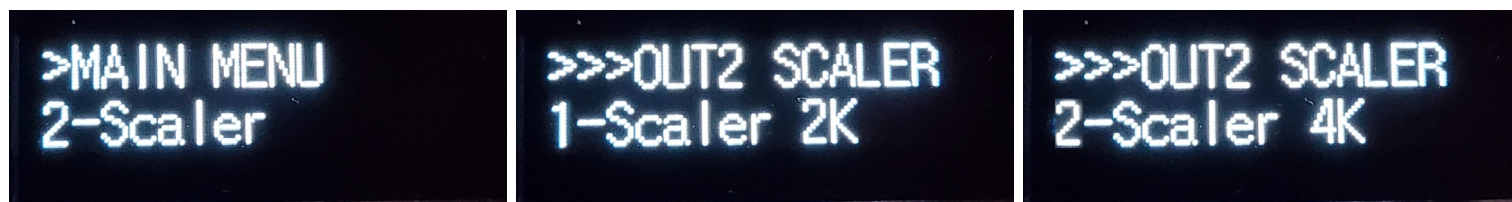
EDID Management - Front Panel

There are 12 built in canned EDIDs along with 3 USER EDID slots and a EDID Bypass. You can select from any of these canned EDIDs or copy from one of the HDMI Outputs (saves to USER1_EDID).

1. Press the ENTER button to enter the Main Menu.
   NOTE: If the screen is off, press any button to wake up)

2. EDID is the first selection in the Main Menu, Press the ENTER button to open the EDID menu.

NOTE: The first displayed EDID will be the current setting (indicated by an *> instead of the number).
Default out of the box is "12. FRL40G_8K_8CH_HDR".

3. Use the Up/Down Buttons to scroll through the available EDIDs.

4. Once the desired EDID is found, press the ENTER button to set the displayed EDID. Available options listed below.

|			
1.	1080P_2CH	9.	4K60HZ_3D_8CH_HDR
2.	1080P_6CH	10.	FRL40G_8K_2CH_HDR
3.	1080P_8CH	11.	FRL40G_8K_6CH_HDR
4.	4K60HzY420_3D_2CH	12.	FRL40G_8K_8CH_HDR
5.	4K60HzY420_3D_6CH	13.	USER1_EDID
6.	4K60HzY420_3D_8CH	14.	USER2_EDID
7.	4K60HZ_3D_2CH_HDR	15.	USER3_EDID
8.	4K60HZ_3D_6CH_HDR	16.	EDID BYPASS

OUT2 Scaler - Front Panel

There are 12 built in canned EDIDs along with 3 USER EDID slots and a EDID Bypass. You can select from any of these canned EDIDs or copy from one of the HDMI Outputs (saves to USER1_EDID).

1. Press the ENTER button to enter the Main Menu.
   NOTE: If the screen is off, press any button to wake up)
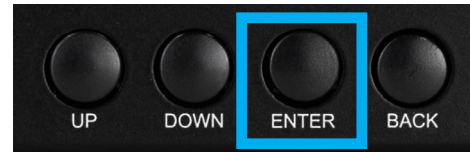
2. Use the UP/DOWN buttons to change to 2-Scaler, press the ENTER button twice to enter the Scaler menu.
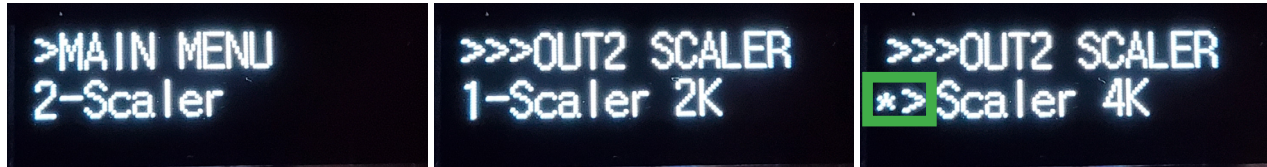
NOTE: The first displayed setting will be the current setting (indicated by an *> instead of the number).

3. Use the Up/Down Buttons to change between the two available scaler settings.

   Scaler 2K - This will down-scale any 8K or 4K signal down to 2k (1920x1080P).
   Scaler 4K - This will down-scale any 8K signal to 4K (3840x2160).

4. Once the desired scaling setting is found, press the ENTER button to set.
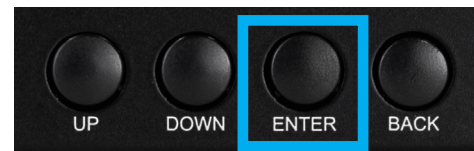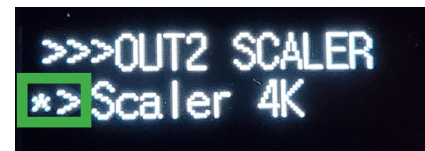
EXTERNAL AUDIO - Front Panel

The extracted audio port can be enabled or disabled (enabled by default). To change the settings

1. Press the ENTER button to enter the Main Menu.
   NOTE: If the screen is off, press any button to wake up)

2. Use the UP/DOWN buttons to change to 3-ExAudio, press the ENTER button enter the external audio menu.
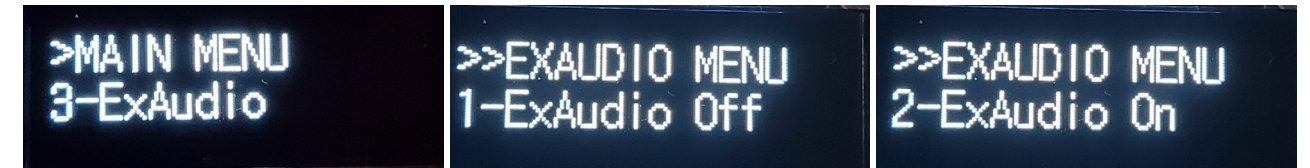
NOTE: The first displayed setting will be the current setting (indicated by an *> instead of the number).

3. Use the Up/Down Buttons to change between the two available extracted audio settings.

   ExAudio off - This will disable the extracted audio port (nothing will be output).
   ExAudio on - This will enable the extracted audio port.

4. Once the desired extracted audio setting is found, press the ENTER button to set.
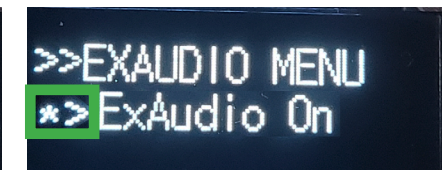
RS-232 Control

RS232 Control (through 3 Pin Terminal Block or USB C).

To control via RS232, the 3 Pin Terminal Block or a USB data cable with a USB C connector can be used.

- Baudrate: 57600
- Checksum: None
- Bit Num: 8
- Stop Bit: 1

USB CONTROL FOR AVPRO EDGE

WWW.AVPROEDGE.COM/DRIVERS

OTHER TOOLS & DRIVERS

MyUart Serial Communicator: Used to send direct serial commands to our products.

Universal FTDI USB->Serial Driver: Used with SIX-G/SIX-A & Fox & Hound and several USB-Serial converters supplied by AVPro Edge

RS-232 CABLE FOR AVPRO EDGE
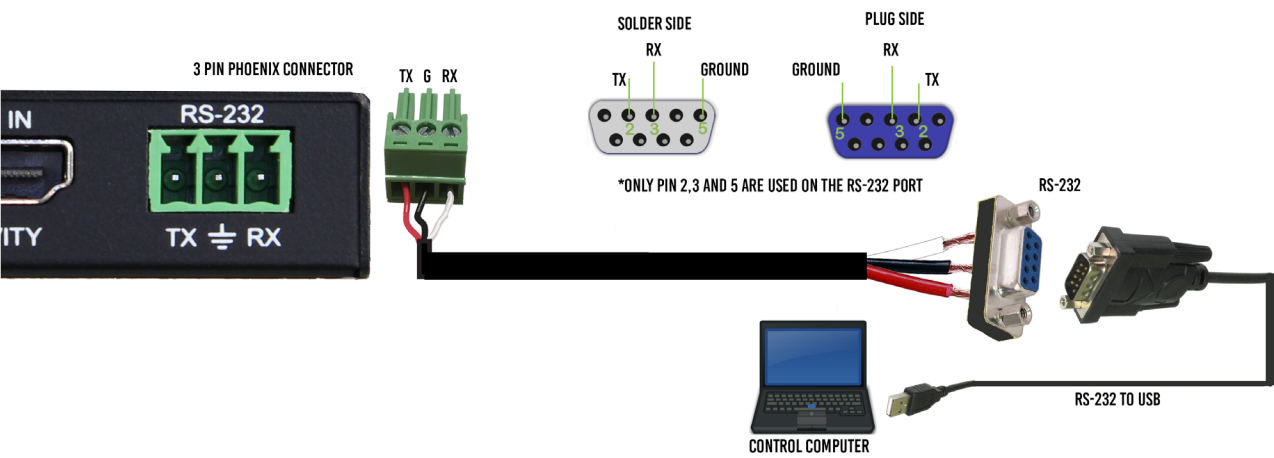
RS-232 Command List

```
=================================================================================
=*******************************************Systems HELP*************************
=-------------------------------------------------------------------------------
=                     System Address = 00          F/W Version : 1. 1. 4
=   Azz                              : All Commands start by Prefix System Address zz, if [01-99]
=-------------------------------------------------------------------------------
=   H                                : Help
=   STA                              : Show Global System Status
=   SET RST                          : Reset to Factory Defaults
=   SET RBT                          : System Reset to Reboot
=   SET ADDR xx                      : Set System Address to xx (xx=[00~99](00=Single))
=   SET LCD ON Tx                    : Set LCD Remain On Time(x=[0~3](0=Always ON,1=15,2=30,3=60Sec))
=   GET ADDR                         : Get System Address
=   GET STA                          : Get System System Status
=   GET LINK1 SIG STA                : Get Link1 Signal Status
=   GET LCD ON T                     : Get LCD Remain On Time
=-------------------------------------------------------------------------------
=Output Setup Commands: Output Num[0~2]
=   SET OUT2 VIDEOy                  : Set Output VIDEO Mode
=                                      (y=[2,6](2=4K/8K->2K,6=8K->4K))
=   SET OUTx STREAM ON/OFF           : Set HDMI Output Video Stream On/Off(x=[0~2](0=ALL))
=   SET HDMI STREAM MODEx            : Set HDMI Stream Mode(x=[0~1](0=Always On,1=Follow Input Signal))
=   SET OUTx HA MUTE ON/OFF          : Set HDMI Output x Audio Mute ON/OFF(x=[0~2](0=ALL))
=   SET OUTx SGM EN/DIS              : Set HDMI Output x Signal Generator Enable/Disable(x=[0-2](0=ALL))
=   GET OUT2 VIDEO                   : Get Output2 Video Status
=   GET OUTx EDID DATA               : Get Output x EDID DATA(x=[1~2])
=   GET OUTx HPD                     : Get HDMI Output x Hotplug Status(x=[0~2](0=ALL))
=   GET OUTx STREAM                  : Get Output x Stream ON/OFF Status(x=[0~2](0=ALL))
=   GET HDMI STREAM MODE             : Get HDMI Stream Mode Status
=   GET OUTx HA MUTE                 : Get HDMI Output x Audio Mute Status(x=[0~2](0=ALL))
=   GET OUTx SGM                     : Get HDMI Output x Signal Generator Enable/Disable Status(x=[0-2](0=ALL))
=-------------------------------------------------------------------------------
=Input Setup Commands:
=   SET IN1 EDID y                   : Set Input1 EDID(y=[0~14)
=                                      0:1080P_2CH            1:1080P_6CH            2:1080P_8CH
=                                      3:4K60HzY420_3D_2CH    4:4K60HzY420_3D_6CH    5:4K60HzY420_3D_8CH
=                                      6:4K60HZ_3D_2CH_HDR    7:4K60HZ_3D_6CH_HDR    8:4K60HZ_3D_8CH_HDR
=                                      9:FRL40G_8K_2CH_HDR    10:FRL40G_8K_6CH_HDR   11:FRL40G_8K_8CH_HDR
=                                      12:USER1_EDID          13:USER2_EDID          14:USER3_EDID
=                                      15:EDID BYPASS
=   SET IN1 EDID CY OUTy             : Copy Output y EDID To Input1(USER1 BUF)(y=[1~2])
=   SET IN1 EDID Uy DATAz            : Write EDID To  User y Buffer  of Input1(y=[1~3],z=[EDID Data])
=   SET EDID OUTx A OUTy V MIX IN1   : Set EDID OUTx Audio OUTy Video Mix Input1(x=[1~2],y=[1~2](x!=y))
=   GET IN1 EDID                     : Get Input1 EDID  Index
=   GET IN1 EDID y DATA              : Get Input1 EDID y Data(y=[0~14])
=   GET LINK1 VID FMT INF            : Get Input1 Video Signal information
=   GET LINK1 AUD FMT INF            : Get Input1 Audio Signal information
```

Troubleshooting

1. Verify Power – The Monitor Screen on the front of the distribution amp should be present when power is supplied. The Monitor screen has an automatic timeout to reduce screen burn, select any button to awake diagnostics screen.

2. Verify Connections – Check that all cables are correctly connected and support 48Gbps

   a. HDMI Input LED – Light will be solid when the HDMI Link from the Source is stable.
   b. Monitor Screen – Will present Input Resolution and Frame Rate when HDMI Link from the source is stable.

3. Issues with One Output – Swap HDMI Outputs to see if issue follows. Try copying EDID from the display. This can be found under EDID Options in the EDID Selection Menu.

4. Issues with Legacy HDMI Device when scaling

   a. Ensure Legacy Device supports the Input Sources Frame Rate.
   b. Ensure Variable Refresh Rate is Disabled.
   c. Ensure Legacy Device supports meta-data.

HDMI 2.1 Bandwidth Innovation Chart

Resolution	Detail	Chroma	Bit	HDR (10 & 12 Bit Only)	Bandwidth Uncompressed	Bandwidth Compressed (DSC)
FHD	1920 x 1080 100-120p	4:4:4	8 Bit		9 Gbps	N/A
		4:4:4	10-12 Bit	X	18 Gbps	N/A
		4:2:2	8-12 Bit	X	9 Gbps	N/A
UHD & 4K	3840 x 2160 & 4096 x 2160 24-30p	4:4:4	8 Bit		9 Gbps	N/A
		4:4:4	10-12 Bit	X	18 Gbps	N/A
		4:2:2	10-12 Bit	X	9 Gbps	N/A
	3840 x 2160 & 4096 x 2160 48-60p	4:4:4	8-12 Bit	X	18 Gbps	9 Gbps
		4:2:2	8-12 Bit	X	18 Gbps	9 Gbps
		4:2:0	8 Bit		9 Gbps	9 Gbps
		4:2:0	10-12 Bit	X	18 Gbps	9 Gbps
	3840 x 2160 100-120p	4:4:4	8 Bit		32 Gbps	18 Gbps
		4:4:4	10 Bit	X	40 Gbps	18 Gbps
		4:4:4	12 Bit	X	48 Gbps	18 Gbps
		4:2:2	8-12 Bit	X	32 Gbps	9 Gbps
		4:2:0	8 Bit		18 Gbps	9 Gbps
		4:2:0	10-12 Bit	X	24 Gbps	9 Gbps
	4096 x 2160 100-120P	4:4:4	8 Bit		32 Gbps	18 Gbps
		4:4:4	10 Bit	X	40 Gbps	18 Gbps
		4:4:4	12 Bit	X	48 Gbps	18 Gbps
		4:2:2	8-12 Bit	X	32 Gbps	18 Gbps
		4:2:0	8 Bit		18 Gbps	9 Gbps
		4:2:0	10-12 Bit	X	24 Gbps	9 Gbps
5K	5120 x 2160 24-30p	4:4:4	8-12 Bit		18 Gbps	N/A
		4:2:2	8-12 Bit		18 Gbps	N/A
	5120 x 2160 48-60p	4:4:4	8 Bit		24 Gbps	9 Gbps
		4:4:4	10-12 Bit		32 Gbps	9 Gbps
		4:2:2	8-12 Bit		24 Gbps	9 Gbps
		4:2:0	8-12 Bit		18 Gbps	9 Gbps
	5120 x 2160 100-120p	4:4:4	8 Bit		40 Gbps	18 Gbps
		4:4:4	10-12 Bit		N/S	18 Gbps
		4:2:2	8-12 Bit		40 Gbps	18 Gbps
		4:2:0	8 Bit		24 Gbps	18 Gbps
		4:2:0	10-12 Bit		32 Gbps	18 Gbps

Resolution	Color	Bit Depth	HDR (10 & 12 BIT ONLY)	BANDWIDTH UNCOMPRESSED	BANDWIDTH COMPRESSED (DSC)
8K 7680 x 4320 24–30p	4:4:4	8 Bit		32 Gbps	18 Gbps
	4:4:4	10 Bit	X	40 Gbps	18 Gbps
	4:4:4	12 Bit	X	48 Gbps	18 Gbps
	4:2:2	8–12 Bit	X	32 Gbps	9 Gbps
	4:2:0	8 Bit		18 Gbps	9 Gbps
	4:2:0	10–12 Bit	X	24 Gbps	9 Gbps
7680 x 4320 48–60p	4:4:4	8–12 Bit	X	N/S	24 Gbps
	4:2:2	8–12 Bit	X	N/S	18 Gbps
	4:2:0	8 Bit		32 Gbps	18 Gbps
	4:2:0	10 Bit	X	40 Gbps	18 Gbps
	4:2:0	12 Bit	X	48 Gbps	18 Gbps
7680 x 4320 100–120p	4:4:4	8–12 Bit	X	N/S	40 Gbps
	4:2:2	8–12 Bit	X	N/S	40 Gbps
	4:2:0	8–12 Bit	X	N/S	32 Gbps
10K 10240 x 4320 24–30p	4:4:4	8 Bit		40 Gbps	18 Gbps
	4:4:4	10–12 Bit		N/S	18 Gbps
	4:2:2	8–12 Bit		40 Gbps	18 Gbps
	4:2:0	8 Bit		24 Gbps	9~24–25p, 18~30p
	4:2:0	10–12 Bit		32 Gbps	9~24–25p, 18~30p
10240 x 4320 48–60p	4:4:4	8–12 Bit		N/S	32 Gbps
	4:2:2	8–12 Bit		N/S	24 Gbps
	4:2:0	8 Bit		40 Gbps	18~48, 24~50/60
	4:2:0	10–12 Bit		N/S	18~48, 24~50/60
10240 x 4320 100–120p	4:4:4	N/S		N/S	N/S
	4:2:2	8–12 Bit		N/S	48 Gbps
	4:2:0	8–12 Bit		N/S	40 Gbps

As you can see each resolution, timing and color space has an uncompressed bandwidth and a compressed bandwidth. With the HDMI 2.1 specification, all HDMI sources will have the ability to send a compressed signal or an uncompressed signal, depending on what the EDID from the display is asking for. Employing DSC compression at the source will allow most resolutions to be under 24Gbps.

N/S = NOT SUPPORTED

Maintenance

To ensure reliable operation of this product as well as protecting the safety of any person using or handling this device while powered, please observe the following instructions.

- Use the power supplies provided. If an alternate supply is required, check voltage, polarity and that it has sufficient power to supply the device it is connected to.
- Do not operate these products outside the specified temperature and humidity range given in the above specifications.
- Ensure there is adequate ventilation to allow this product to operate efficiently.
- Repair of the equipment should only be carried out by qualified professionals as these products contain sensitive components that may be damaged by any mistreatment.
- Only use this product in a dry environment. Do not allow any liquids or harmful chemicals to come into contact with these products.
- Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Damage Requiring Service

The unit should be serviced by qualified service personnel if:

- The DC power supply cord or AC adapter has been damaged
- Objects or liquids have gotten into the unit
- The unit has been exposed to rain
- The unit does not operate normally or exhibits a marked change in performance
- The unit has been dropped or the housing damaged

Support

Should you experience any problems while using this product, first, refer to the Troubleshooting section of this manual before contacting Technical Support. When calling, the following information should be provided:

- Product name and model number
- Product serial number
- Details of the issue and any conditions under which the issue is occurring
- Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner or benzene to clean this unit.

Warranty

THE BASICS.

AVPro Edge warranties its products that are purchased from all Authorized AVPro Edge Resellers or direct purchases. Products are guaranteed to be free from manufacturing defects and of sound physical and electronic condition.

AVPro Edge has developed a warranty that anyone can get behind. We really wanted to take all the "red tape" out of a warranty and just make is simple. Our 10 YEAR NO BS warranty hinges on 3 elements.

1. If you are having trouble, call us. We will attempt to troubleshoot your issue over the phone.

2. If it's broke - We'll replace it in advance on our dime. (We'll cover return shipping too.) Repair is an option too, but it's YOUR call.

3. We know you know what you are doing. We will not make you go through unnecessary steps to troubleshoot an extender...

COVERAGE DETAILS.

AVPro Edge will replace or repair (at customer choice) the defective product. If the product is out of stock or on back order it can either be replaced with a comparable product of equal value/feature set (if available) or repair.

Your warranty begins at receipt of product (as confirmed by shipping firm tracking). If tracking information is unavailable for any reason, the warranty will commence 30 ARO (After Receipt of Order). The coverage continues for 10 YEARS.

RED TAPE.

AVPro Edge is not responsible for untraceable purchases or those that were made outside of an authorized channel.

If we conclude that a product or serial number has been tampered with as identified by warranty seal or physical examination the warranty will be void. Additionally, excessive physical damage (beyond normal wear & tear) the warranty may be voided or pro-rated based on the extent of the damage as examined by an AVPro Edge representative.

Damage caused by "acts of God" are not covered. They can include natural disasters, power surges, storms, earthquakes, tornadoes, sink holes, typhoons, tidal waves, hurricanes, or any other uncontrollable event related to nature.

Damage caused by incorrect installation will not be covered. Incorrect power supply, inadequate cooling, improper cabling, inadequate protection, static discharge are examples of this.

Products installed or sold by a third party to AVPro Edge will be serviced by the Authorized AVPro Edge Reseller.

Accessories (IR Cables, RS-232, Power Supplies, etc...) are not included in the warranty. We will make acceptable effort to source and supply replacements for defective accessories at a discounted rate as needed.

OBTAINING AN RMA.

Dealers, Re-sellers, and Installers can request an RMA AVPro Edge Tech Support Rep or their Sales Engineer. Or you may email support@avproedge.com or fill out the general contact form at www.avproedge.com

End users may not request and RMA directly from AVPro Edge and will be referred back to the Dealer, Re-seller or Installer.

SHIPPING.

For USA (not including Alaska and Hawaii). Shipping is covered on advanced replacements YENTS for FedEx Ground (some expressed exceptions may apply). Defective product return shipping is covered by AVPro Edge using an emailed return label. Item must be returned within 30 days of receipt of replacement product, after 30 days, the customer will be billed. Other return shipping methods will not be covered.

For International (and Alaska and Hawaii) return shipping costs will be the responsibility of the returnee. Once the unit is scanned for return shipping AVPro Edge will ship new unit for replacement.

LEGAL STUFF.

Limitation on Liability

The maximum liability of AVPro Global Holdings LLC under this limited warranty shall not exceed the actual purchase price paid for the product. AVPro Global Holdings LLC is not responsible for direct, special, incidental or consequential damages resulting from any breach of warranty or condition, or under any other

legal theory to the maximum extent permitted by law.

Taxes, Duties, VAT, and freight forwarding service charges are not covered or paid for by this warranty.

Obsolescence or incompatibility with newly invented technologies (after manufacture of product) is not covered by this warranty.

Obsolescence is defined as:

"Peripherals are rendered obsolete when current technology does not support product repair or re-manufacture. Obsolete products cannot be re-manufactured because advanced technologies supersede original product manufacturer capabilities. Because of performance, price and functionality issues, product redevelopment is not an option."

Discontinued or out of production items will be credited at fair market value towards a current product of equal or comparable capabilities and cost. Fair market value is determined by AVPro Edge.

Exclusive Remedy

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