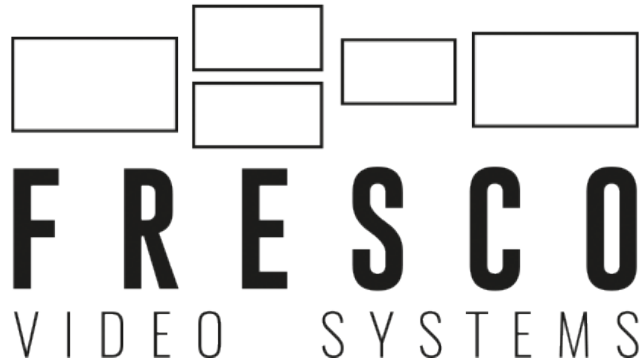# Fresco 1x16 (AC-FRESCO-DA116)

1 HDMI Input, 16 HDMI Output Distribution Amplifier/Splitter Built for 4K at 18Gbps Signaling

Fresco 1x16: 18Gbps Ultra Stable Large Scale Splitter

Built to handle full 4K60 (4:4:4) at 18Gbps, the AC-FRESCO-DA116 amplifies and stabilizes a HDMI signal throughout its 16 HDMI output ports. The slim design makes it easy to mount locally, away from a rack or media center, leaving your clients with a clean finish.

- Uncompressed 18Gbps Support
- Full HDR Support
- EDID Management
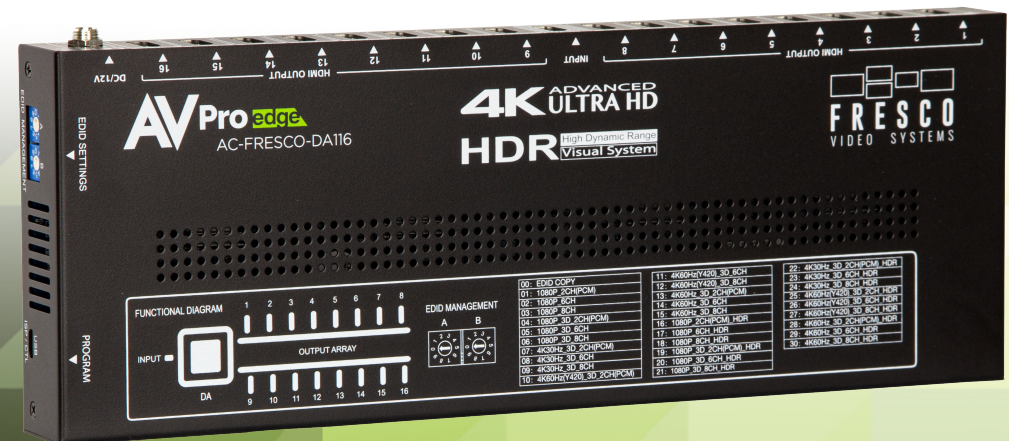
Fresco 1x16 Works with Any Source

4K 18Gbps with HDR input and outputs make the FRESCO 1x16 completely **compatible** with the newest sources available including:

- Modern laptops/computers

- Satellite/Cable Boxes

- Apple 4K / Roku Ultra Streamers

- UHD Blu-ray

- Gaming Consoles

You can install this repeater knowing it's ready to work with any source the customer connects it to. Not only is it going to work, it's going to deliver uncompressed 4K video at 60 frames per second.
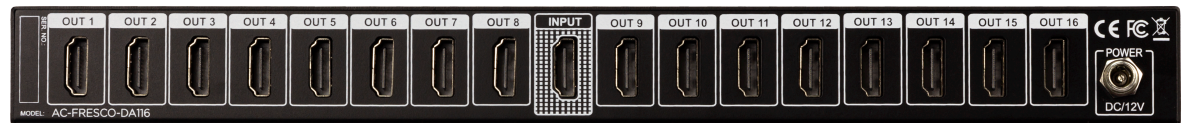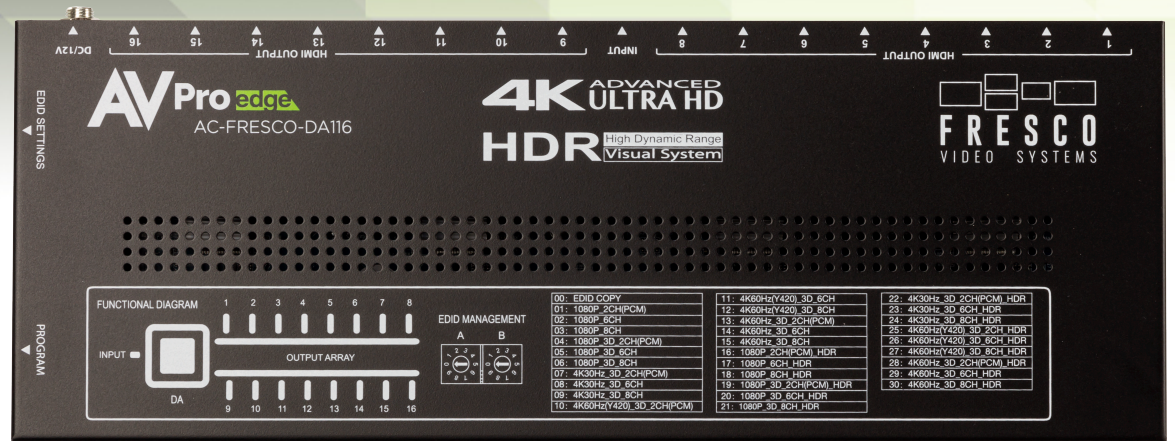
100% Uncompressed Video
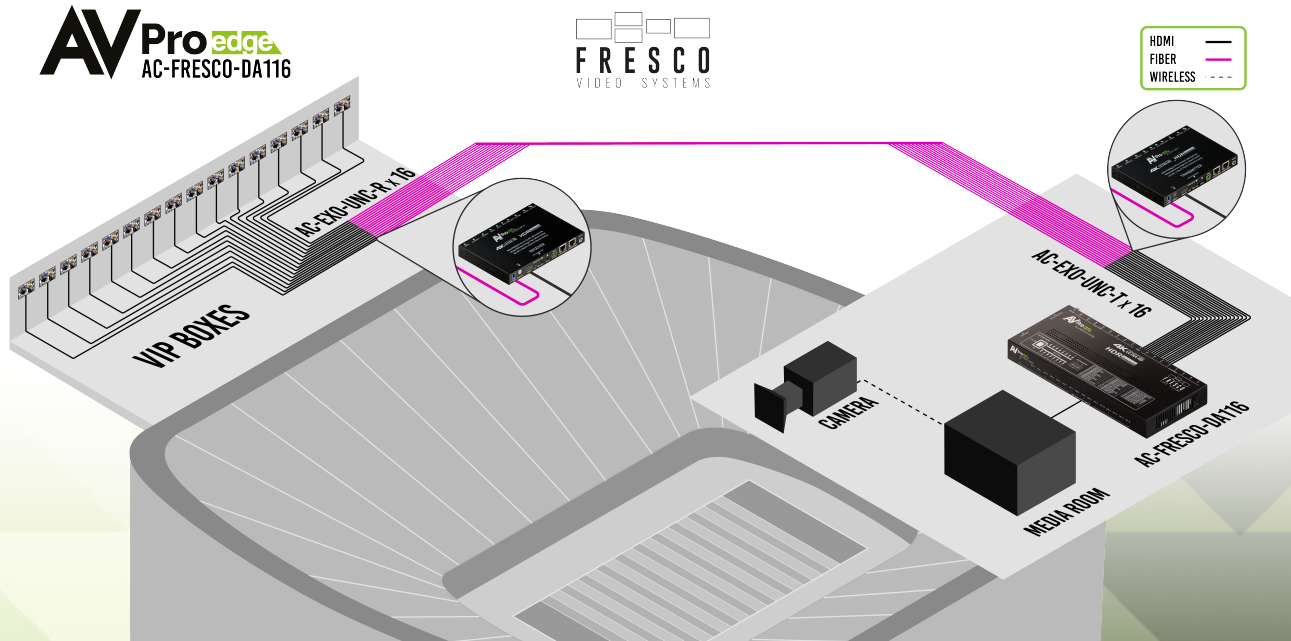
The Fresco 1x16 delivers a completely uncompressed video signal. That means you can deliver true 4K **HDR or Dolby Vision** video along side full bitstream audio like Dolby Atmos or DTS HD throughout the HDMI input and outputs. Many video distribution solutions use compression to make delivering the video signal easier, but this can degrade and pixelize the image. Choosing the Fresco repeater allows you to deliver the most optimized picture available to each display in the installation.

Perfect for the Commercial Video Wall

16 synced HDMI outputs allow the signal to leave each port with the exact same time, making it ideal for a video wall made up of commercial displays. The Fresco 1x16 will give each display the exact same signal, at exactly the same time. This allows you to offer a stable solution when setting up a video wall where the displays themselves work out the capture regions.
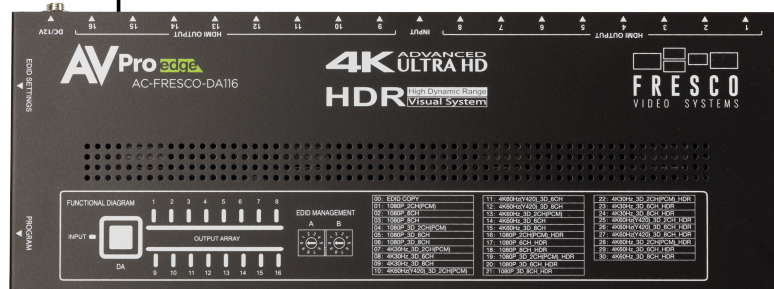

AC-FRESCO-DA116 VIDEO WALL DIAGRAM

HDMI

SOURCE

1 INPUT x 16 OUTPUTS

*THIS APPLICATION IS FOR COMMERCIAL DISPLAYS THAT HAVE CAPTURE REGIONS BUILT IN AND NEED A STABLE SYNCED SIGNAL VIA EACH DISPLAY, IT DOES NOT PROCESS THE VIDEO WALL FOR YOU

Daisy Chain to More Displays

Daisy chain the Fresco 1x16 by adding additional units. Each time you daisy chain, it gives you 16 additional inputs. If you had three units connected you could have 1 source display on 46 TVs. Now you can offer a stable solution any time you need large scale signal splitting in digital signage applications, retail TV sales and more.
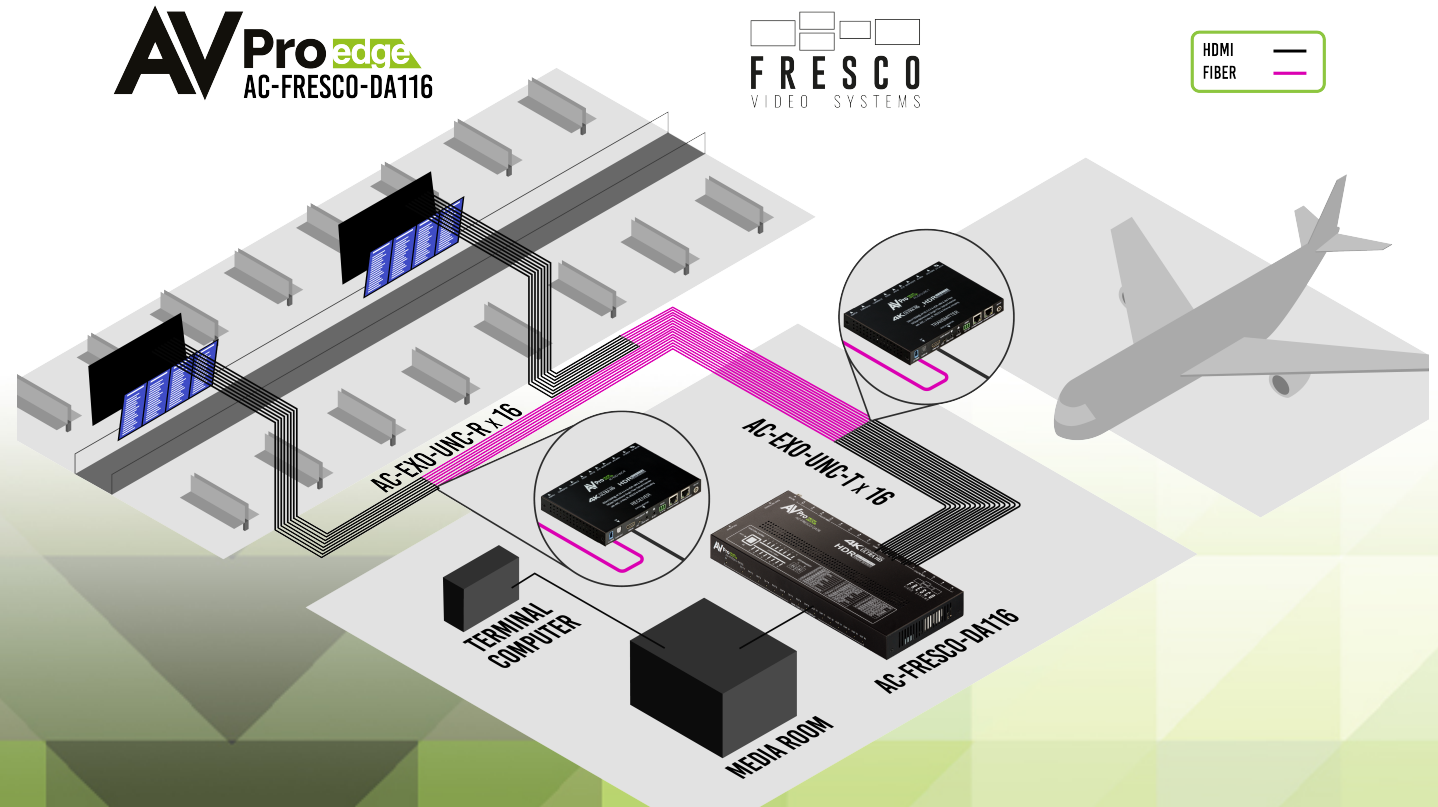
Advanced EDID Management

Advanced EDID Management is a stock feature on the Fresco 1x16. This allows you to override the EDID's coming from the 16 displays and give the source an EDID that you choose. Even if the installation has 16 different TV models or brands, you can ensure an uncompressed signal gets to each and every display.

10-Year Warranty

AVPro Edge offers a 10-Year advanced replacement no B.S. warranty. This will give you as the integrator and the customer peace of mind knowing that you have installed a product built to last.
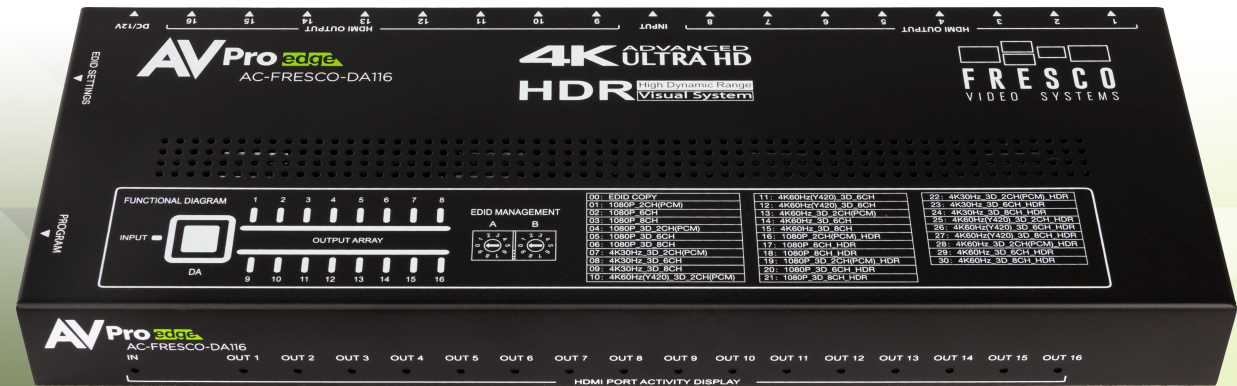
Where do these Fit?

These devices can be used in a wide variety of ways. Knowing they are able to handle 18Gbps video signaling gives you the confidence that it will work for years to come.

Video Walls: When using commercial displays to make a video wall, every display needs to receive the exact same signal at the same time. The Fresco DA116 will provide the stable, uncompressed connection that makes a video wall "pop".

Bars & Restaurants: Perfect for showing the game or a menu on many displays at the same time.

Digital Signage: Signage and advertisements are everywhere, using a Fresco DA116 will ensure an uncompressed image will reach its destination. Delivering a signal that is processed through a compression model can lower the quality of the final image.

Retail TV Sales: Stores that sell displays need to have high bandwidth solutions that will deliver the most optimized image to the screen. Today's displays are 4K and built to show HDR. if you are selling new displays, you need to have a distribution solution that can handle the latest signaling.

Compatible Products

AC-EXO-UNC-KIT – Uncompressed Fiber Optic HDMI Extender

https://www.avproedge.com/ac-exo-unc-kit.html

AC-EX100-444-KIT – ICT Compressed HDMI Extender via HDBaseT

https://www.avproedge.com/ac-ex100-444-kit-gen2.html

AC-FRESCO-CAP-4 – Fresco's Video Wall Processor

https://www.avproedge.com/ac-fresco-cap-4.html

Need More Information?

Never hesitate to give us a call at 605-274-6055, we are always happy to clarify any questions you may have.

www.avproedge.com/AC-FRESCO-DA116

info@avproedge.com

VIDEO:	
VIDEO RESOLUTIONS	UP TO 4K 60HZ 4:4:4
VESA RESOLUTIONS	UP TO DCI 4K (4096X2160) 5K (UP TO 5120X3200
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 (1080P) 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
DISTANCE:	
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:	
BANDWIDTH	18 GBPS
HDCP	HDCP 2.2 AND EARLIER
PORTS:	
HDMI	TYPE A
FIRMWARE	MICRO USB
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)	30 WATTS MAX
POWER SUPPLY	INPUT: AC 100-240V ~ 50/60HZ OUTPUT: DC 12V 5A
DIMENSIONS:	
DIMENSIONS (UNIT ONLY LENGTH/WIDTH/HEIGHT)	MM: 109 X 298 X 30 INCH: 4.29 X 11.75 X 1.18
DIMENSIONS (PACKAGED LENGTH/WIDTH/HEIGHT) (KIT)	MM: 305 X 178 X 77 INCH: 12 X 7 X 3
WEIGHT (UNIT)	2 LBS (0.9 KG)
WEIGHT (PACKAGED)	3.2 LBS (1.45 KG)

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