AVPro Edge AC-Fresco-Cap-4

AC-Fresco-Cap-4 Fresco 4 Video Wall Processor User Manual

Brand: AVPro Edge | **Model:** AC-Fresco-Cap-4

1. INTRODUCTION

The AVPro Edge AC-Fresco-Cap-4 Fresco 4 Video Wall Processor is designed to provide a stable and efficient video wall solution. This device allows for the connection of a single source to four displays, enabling a plug-and-play 2x2 video wall configuration directly out of the box. It supports 4K video processing and offers robust scaling features, including input and output of 18Gbps 4K60 signals. The Fresco 4 is expandable, allowing multiple units to be cascaded for larger video wall setups. This manual provides essential information for the setup, operation, and maintenance of your Fresco 4 Video Wall Processor.

2. PRODUCT OVERVIEW

The AC-Fresco-Cap-4 is a compact, black-colored unit designed for professional video wall applications. Its front panel features key indicators and control ports.

Figure 2.1: AVPro Edge AC-Fresco-Cap-4 Fresco 4 Video Wall Processor. The front panel displays the power indicator light, the AVPro Edge logo with the model number AC-FRESCO-CAP-4, and the FRESCO VIDEO WALL SYSTEM logo. On the right side, an ISP/CONTROL USB port is visible for configuration and control purposes.

Key Features:

- HDMI 2.0(a/b)
- 18Gbps Bandwidth Support
- 4K60 4:4:4 Support
- Plug-in-Play 2x2 video wall capability

- HDCP 2.2 (and all earlier versions supported)
- Web GUI for control
- PC Software for advanced configuration
- USB, RS232, and LAN Control Options
- Digital Coax Audio Out (6CH PCM, DD, DTS)
- Built-in Resolution Scaling
- Ability to Cascade multiple units

3. WHAT'S IN THE BOX

Upon unpacking your AC-Fresco-Cap-4, please ensure all the following items are present:

- AC-Fresco-Cap-4 Fresco 4 Video Wall Processor Unit
- HDMI Cable
- Remote Control
- Power Adapter
- User Manual (this document)

4. SETUP INSTRUCTIONS

4.1 Connecting the Hardware

1. **Power Connection:** Connect the provided power adapter to the DC input port on the Fresco 4 unit and then to a power outlet. The power indicator light on the front panel should illuminate.
2. **Source Connection:** Connect your HDMI source device (e.g., media player, PC) to the HDMI input port(s) on the Fresco 4 using a high-quality HDMI 2.0 cable.
3. **Display Connections:** Connect your four display devices (e.g., monitors, TVs) to the HDMI output ports on the Fresco 4. For optimal performance with 4K60 4:4:4 signals, use certified 18Gbps HDMI cables.
4. **Control Connection (Optional):**

   - **USB:** Connect a USB cable from the ISP/CONTROL USB port on the Fresco 4 to your PC for software configuration.
   - **LAN:** Connect an Ethernet cable from the LAN port on the Fresco 4 to your network for Web GUI access and network control.
   - **RS232:** For serial control, connect an RS232 cable to the appropriate port.

4.2 Initial Configuration (2x2 Video Wall)

The Fresco 4 is designed for plug-and-play 2x2 video wall setups. For more advanced configurations, including bezel compensation and larger video walls (by cascading units), utilize the dedicated PC software.

- **PC Software:** Download and install the free AVPro Edge PC software. Connect the Fresco 4 to your PC via USB. The software allows you to input display bezel measurements, which will automatically adjust the video wall layout for a seamless image across multiple screens.
- **Web GUI:** Access the Web GUI via a network connection for remote configuration and control. Refer to the device's network settings for the IP address.

5. OPERATING INSTRUCTIONS

5.1 Basic Operation

Once all connections are made and the unit is powered on, the Fresco 4 will automatically process the input signal for a standard 2x2 video wall. Ensure your source device is outputting a compatible resolution.

5.2 Advanced Control and Configuration

- **Resolution Scaling:** The built-in resolution scaling feature allows the Fresco 4 to adapt various input resolutions to the native resolutions of your displays, ensuring optimal image quality. This can be configured via the PC software or Web GUI.
- **Cascading Units:** For video walls larger than 2x2, multiple Fresco 4 units can be cascaded. Refer to the advanced configuration guide available on the AVPro Edge website for detailed instructions on cascading and synchronization.
- **Audio Output:** The digital coax audio out port supports 6-channel PCM, Dolby Digital, and DTS formats, allowing for audio extraction and routing to an external audio system.

6. SPECIFICATIONS

The following table details the technical specifications of the AC-Fresco-Cap-4 Fresco 4 Video Wall Processor:

Feature	Specification
Manufacturer	AVPro Edge
ASIN	B08WT2PX9K
Brand	AVPro Edge
Color	Black
Connectivity Technology	HDMI
Audio Output Mode	Surround
Video Resolutions	Up to 4K 60HZ 4:4:4
VESA Resolutions	Up to DCI 4K (4096x2160), 5K (up to 5120x3200)
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
Bandwidth	18Gbps
HDCP Support	HDCP 2.2 and earlier versions
Control Ports	LAN, RS232, IR Window, USB

7. TROUBLESHOOTING

If you encounter issues with your Fresco 4 Video Wall Processor, please refer to the following common troubleshooting steps:

- **No Signal on Displays:**

- Ensure the Fresco 4 is powered on and the power indicator light is active.
- Verify all HDMI cables are securely connected to both the source and displays.
- Check the source device is powered on and outputting a signal.
- Test with different HDMI cables if possible.
- Ensure the input resolution from the source is compatible with the Fresco 4.

- **Incorrect Image or Distorted Display:**

  - Confirm the display resolutions are correctly set in the Fresco 4's PC software or Web GUI.
  - If using a video wall, ensure bezel compensation settings are accurately configured in the PC software.
  - Check for any signal interference or cable damage.

- **Control Issues (USB/LAN/RS232):**

  - For USB control, ensure the correct drivers are installed on your PC.
  - For LAN control, verify network connectivity and the correct IP address for the device.
  - For RS232, confirm correct cable wiring and serial port settings.

If problems persist after attempting these steps, please contact AVPro Edge customer support for further assistance.

8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Fresco 4 Video Wall Processor.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or aerosol sprays, as they may damage the device.
- **Ventilation:** Ensure the unit is placed in a well-ventilated area to prevent overheating. Do not block the ventilation openings.
- **Firmware Updates:** Periodically check the AVPro Edge official website for firmware updates. Keeping the firmware updated can improve performance and add new features.
- **Storage:** If storing the unit for an extended period, disconnect it from power and store it in a cool, dry place away from direct sunlight and extreme temperatures.

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The AVPro Edge AC-Fresco-Cap-4 Fresco 4 Video Wall Processor comes with a manufacturer's warranty. For detailed information regarding warranty coverage, terms, and conditions, please refer to the official warranty documentation included with your product or visit the AVPro Edge official website. Warranty periods and coverage may vary based on region and purchase date.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or inquiries about your product, please contact AVPro Edge customer support. You can typically find contact information, including phone numbers, email addresses, and support portals, on the official AVPro Edge website (www.avproedge.com). Please have your product model number (AC-Fresco-Cap-4) and serial number ready when contacting support.

Related Documents - AC-Fresco-Cap-4

AVPro Edge AC-SC2-AUHD-GEN2 User Manual: 18Gbps Scaler, EDID Manager, Audio De-Embedder
User manual for the AVPro Edge AC-SC2-AUHD-GEN2, an 18Gbps video scaler, EDID manager, and audio de-embedder designed for professional AV integrators. Learn about its features, applications, specifications, and troubleshooting for seamless AV distribution.

AVPro Edge AC-EX70-UHD-KIT Ultra Slim 70 Meter HDMI HDBaseT Extender User Manual
User manual for the AVPro Edge AC-EX70-UHD-KIT, an ultra-slim 70-meter HDMI via HDBaseT extender set with bi-directional power and EDID management. Features include 4K60 support, HDCP 2.3, CEC pass-through, and RS-232 transport.

AVPro Edge AC-MX88-AUHD-NSFS 8x8 HDMI Matrix Switch Quick Start Guide
Quick start guide for the AVPro Edge AC-MX88-AUHD-NSFS, an 8x8 HDMI matrix switch supporting 18Gbps, 4K 60Hz, HDMI 2.0, and HDCP 2.3. Learn about installation, front panel control, IR remote, EDID management, and troubleshooting.

AVPro Edge AC-EX100-444-KIT User Manual: 18Gbps 4K60 HDMI HDBaseT Extender
User manual for the AVPro Edge AC-EX100-444-KIT, an 18Gbps 4K60 4:4:4 HDBaseT extender kit. This document details the features, technical specifications, installation, connection diagrams, settings, troubleshooting, and warranty information for the AC-EX100-444-T3 transmitter and AC-EX100-444-R3 receiver modules.

AVPro Edge AC-EX70-SC2-R User Manual: HDBaseT Receiver with SC2 Scaler
Comprehensive user manual for the AVPro Edge AC-EX70-SC2-R, a 70-meter HDBaseT receiver featuring an SC2 scaler. Learn about its capabilities including up/down scaling, EDID management, HDR support, audio de-embedding, test patterns, troubleshooting, and specifications.

[AC-MX-42X HDMI Matrix Switcher Quick Start Guide](#)

Quick start guide for the AVPro Edge AC-MX-42X, a 4-input, 2-output HDMI 2.1 matrix switcher supporting 8K60 resolution and 40Gbps. Covers installation, front panel controls, RS232, EDID management, and troubleshooting.