

OVERVIEW

Many installations incorporate audio visual elements into the presentation and the Pharos Audio Visual Controller (AVC) addresses these elements by offering a compact, solid-state audio visual playback device. Put simply, the AVC is equivalent to two DVD players and a vision mixer under seamless show control.

Designed to complement the Pharos Lighting Playback Controllers (LPCs), the AVC uses the latest Digital Signal Processing technology, specifically tailored for media delivery. MPEG-2 data is stored on an internal Compact Flash Card and two streams can be decoded simultaneously to yield smooth transitions (eg dissolves, wipes) between clips on command. It also supports picture-in-picture, superimposed text and keying effects. An input is also provided.

The AVC is programmed with the Pharos Designer software used to create the rest of the presentation. Simply add one or more AVCs to your project and then drag and drop built-in effects or imported media onto the appropriate timeline rows as you would for any other project element. Adjust your transitions, set up your triggers, simulate and then upload to the installed units over Ethernet or USB.

The AVC can run stand alone, triggered from its internal realtime and astronomical clocks or be triggered remotely via RS232/485 serial (including DMX) or web browser. One or more Pharos Ethernet modules (eg RIO) can also be used as trigger sources.

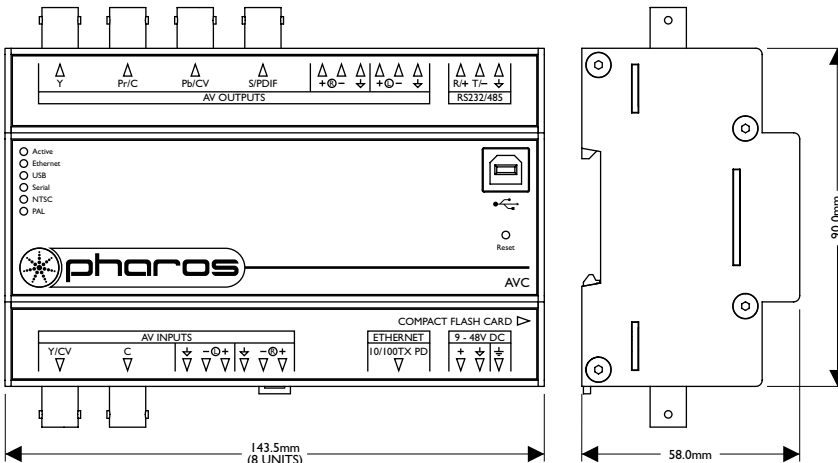
When incorporated into a larger Pharos system it can share triggers with one or more LPCs connected over Ethernet to yield a fully integrated and synchronised lighting and audio visual presentation.

KEY FEATURES

- Realtime control of media playback selection with instant access (no "seek" time).
- Simultaneous decoding of two MPEG-2 media streams.
- Realtime crossfading (dissolves, wipes) between one running media clip and another.
- Picture-in-picture, text overlay and keying functionality.
- Audio visual input for live (eg camera) or 3rd party media delivery.
- Use multiple units connected and synchronised over Ethernet to scale to larger presentations.
- Internal realtime and astronomical clocks for stand-alone triggering.
- RS232/485 port incorporated for remote triggering and/or control of the display device.
- High quality, installation friendly connectivity - component video & balanced audio as standard.
- Solid state, instant-on, fit & forget solution.
- Integrated web interface for remote management, custom pages supported.
- Removable Compact Flash Card data storage.

SUPPORTED FORMATS

TV system: 525/60 (NTSC) or 625/50 (PAL)
 Video coding: MPEG-2 MP@ML/SP@ML VBR/CBR
 Frame rate: 29.97fps (525/60, interlaced) or 25fps (625/50, interlaced)
 Resolution: 720x480 & 704x480 (525/60) or 720x576 & 704x576 (625/50)
 Aspect ratio: 4:3 or 16:9 anamorphic
 Audio coding: Ogg Vorbis (stereo analog output)
 Audio bitstreams: Linear PCM, MPEG-2 & Dolby Digital AC-3 (multi-channel S/PDIF output)



SPECIFICATIONS

General:

- Digital Signal Processor (DSP) based system specifically designed for the control of audio visual devices in an architectural or entertainment application.
- Project data stored in non-volatile solid-state memory (Compact Flash Card), uploaded from a remote personal computer over an Ethernet, USB or web connection.
- Operating System stored in non-volatile solid-state memory, remotely updated when necessary from a personal computer over an Ethernet or USB connection.
- Commences playback automatically on receiving power without additional external trigger.
- Internal realtime clock operates when power is absent.
- Integrated web interface.
- 5 year warranty.

Physical:

- Enclosure and mounting complies with DIN43880 and EN60715 (35/7.5 rail) respectively.
- 8 unit wide DIN enclosure.
- Operating temperature range 0°C to 50°C (32°F to 122°F).
- CE compliant and ETL/cETL listed.

Electrical:

- Supports the following wire terminations (Camden Electronics CTB9208 5.08mm plug-in rising clamp terminals, supplied):
- 9V to 48V DC power.*
 - RS232/485 serial port.
 - Stereo balanced analog audio input.
 - Stereo balanced analog audio output.

In addition there are the following standard connectors:

- RJ45 socket for 10/100Base-TX Ethernet
- IEEE 802.3af PoE powered device.*
- USB-B socket for USB 1.1.
- BNC socket for composite video input.
- BNC sockets for component (Y/C) video input.
- BNC socket for composite video output.
- BNC sockets for component (Y/C or Y/Pb/Pr) video output.
- BNC socket for S/PDIF digital audio output.

* Unit may be powered either via DC input or PoE.

Part Number: AVC

