Cinegy Air express

real-time playout server and
broadcast automation software

Cinegy

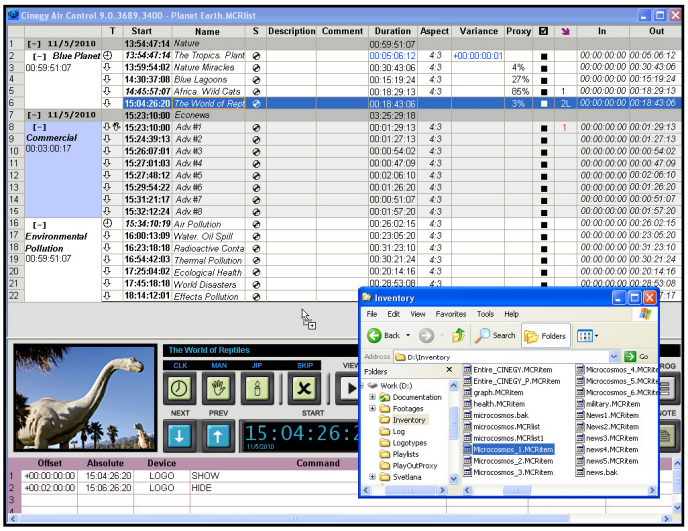
The Instant TV Channel

from €795

From normal scheduled playout to slow-motion playback - Cinegy Air Express does it all.

Cinegy Air Express is the new entry-level version of the successful Cinegy Air product series that is used by hundreds of TV channels around the globe. It has more features and capabilities than most other vendor's solutions, which are also many times more expensive. Affordability is not just limited to the price of the software. Operating and maintaining Cinegy Air Express is considerably easier and less expensive than other existing solutions.

Cinegy Air provides a broadcast automation and control front-end and a real-time video server for SD and HD playout in an integrated software suite. Designed to meet the most demanding requirements Cinegy Air effortlessly succeeds where so many others fail. Cinegy Air Express can be used to control playout to air or to plan schedules, program and commercial blocks offline. Offering unparalleled flexibility by playing mixed format and mixed resolution content, inserting logos, adding overlays and controlling external devices. Cinegy Air Express supports simulcast output via SDI and/or IP streams for ATSC/DVB or web usage.



Building a playlist in Cinegy Air

Cinegy Air Express - Control and Engine

Cinegy Air Express is software-based, and runs on certified standard IT hardware and certified, standard SDI video cards. As a result, a complete HD channel can fit into a single rack unit with the potential for even higher integration using virtualization.

Playout as a Service

Cinegy Air Express performs video playout by acting as a TCP/IP-connected video "printer" offering its services in a network. The Cinegy Air Express broadcast automation software connects to the playout engine and instructs it what to "print" to air and when. Cinegy Air Express consists of two elements, Cinegy Air Express Control and Cinegy Air Express Engine. Cinegy Air Express Control provides a state-of-the-art interface for controlling a Cinegy Air Express service playout channel connected via TCP/IP.

Cinegy Air Express Engine executes the playlist provided to it and renders video and audio to air. It also sends real-time video stream feedback to the Cinegy Air Express Control interface, eliminating the need for video control monitors as well as SDI cabling and routing. In small environments, Cinegy Air Express Control and Cinegy Air Express Engine can run on one PC – basically a "TV channel in a box".

Cinegy Air Features Matrix

Cinegy Air HD	Cinegy Air SD	Cinegy Air Express HD	Cinegy Air Express	
X	X	X	X	Web Streaming
X	X	X	X	MPEG2-TS RTP/UDP
X	X			Compliance Recording
X	X			Secondary Recording
X	X	X		Simulcast SD / HD
X	X	X	X	SD SDI Out
X		X		HD SDI Out
X	X	X	X	Logo Insertion
X	X			High-Availability (Mirror)
X	X			Multi-Channel Control
X	X	X	X	Live Input
X		X		AVC-Intra
X		X		AVID DNxHD
X	X	X		MXF AS02/AS03
X	X	X	X	Remote Operation
X	X	X	X	Air Control Automation
X	X	X	X	Studio / Trick Mode
X	X			Pre-fetch Caching
X	X			MAM Integration
X	X			MOS / News Integration
X	X			Traffic Integration
X	X	X	X	Virtualization

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Simple Operation

The Cinegy Air Express Control user interface is easy to use. Next to the traditional playout schedule list it also provides a horizontal timeline view. Items can be added by drag & drop. An item for example, could be a video file of any video format supported, which is almost all. Items in the list can be previewed, trimmed, and cut - all using the Cinegy Air Express Control user interface built-in player/editor tool. In the playout schedule items can be grouped into three different hierarchy levels which can be collapsed and expanded to improve readability.

All the functions required for modern playout automation are available with Cinegy Air Express, including placeholder items, secondary events, manual end, clocked and joined-in progress triggers as well as loop playback of items and blocks of items.

Cinegy Air Express Control can be installed on any machine in a network and playlists can be created in online or offline mode. Prepared blocks and playlists can be saved to file and then appended or inserted to the live playlist. Cinegy Air Express Engine continues to play existing playlists unattended until modified by Cinegy Air Express Control.

Studio Operations

Cinegy Air Express can be switched into studio mode. This turns it into a cart wall / trick mode type of playout device which can be used for news, sports and other operations. Variable speed playback – slow-motion, loop and bounce playback are all supported. Playback can be controlled via the special Cinegy Air Express Studio control panel or via RS-422 edit controllers by companies such as JL Cooper, DNF or others supporting 9-pin protocol.

Virtualization

The Cinegy Air Express Engine can run in a virtual machine (VM) environment VMWARE ESX or Microsoft Hyper-V. Running Cinegy Air Express Engines in a VM has many advantages such as better hardware utilization, quick deployment of additional channels (in seconds), much easier migration and inexpensive high-availability clustering. As SDI cards cannot be virtualized but may still be needed and where they cannot be replaced by RTP or UDP streams via IP, the SDI I/O is done via the Cinegy Gateway which does RTP to SDI conversion and vice versa.

Supported SDI Hardware

The following SDI cards are supported:

- AJA - AJA Kona LHe, AJA Kona LHi
- Blackmagic Design – DeckLink series cards
- DVS – DVS Centaurus II, DVS Centaurus II LT

Features Overview

- Next generation, real-time broadcast automation and master control room software.
- Real-time, network service-based video playout operated remotely via TCP/IP. No need for SDI control monitors.
- Support for all common video file formats, including AVI, DV, HDV, IMX, XDCAM SD/HD, MPEG2 (up to 1080i 4:2:2), AVID DNxHD, MXF MPEG 2 Long GOP, MXF AS-03, AVC-Intra, Quicktime & Windows Media.
- Simulcast HD/SD playout. Simultaneously playout of a single playlist in SD and HD (HD version).
- Studio mode for cart wall, slow-motion and trick mode playback operation.
- Horizontal timeline view provides a clear overview for easy operations.
- MXF AS 02/03 support (currently in beta).
- Secondary events for external device control.
- Local or remote control operation via LAN or WAN.
- GPI events processing for automatic commercial insertion.
- Broadcast directly to the Internet using Web streaming.
- WMV and MPEG2 streams can be generated as an alternative to SDI output or simultaneously with it. Support for Flash and H.264 TS/RTP/UDP coming soon.
- As-run log generation.
- Traffic integration with various traffic systems (optional).
- SDI video router modules to support automatic video/audio signal switching of input and output signals.
- Exceptional return on investment and total cost of ownership.

Cinegy Air, active mode, single-channel playout

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