

AirGo™

Production, ingest, and play-to-air in a box

As studios and production outfits grow the number of channels for their subscribers, the need for a cost-effective solution for delivery of TV programs becomes more pronounced. The media workflow increases in complexity and makes investment in specialized equipment more expensive.

AirGo is a complete production, ingest, and play-to-air system-in-a-box by media technology provider MediaPower. In a mere 2RU machine, AirGo is a turnkey playout solution for multi-channel broadcasting that combines automation, playout, and interactive graphics within one system.

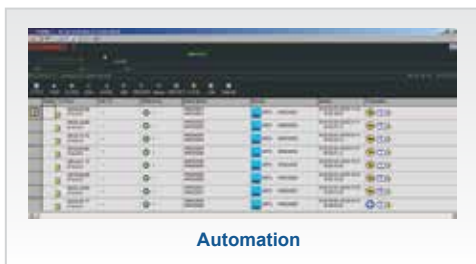
Now, broadcasters can have a single, compact, multitasking box to manage, reducing the cost and effort in maintaining a system that is continuously scaling in size and complexity. AirGo comes with functionalities that cover a significant portion of the media workflow including support for graphics overlay, built-in storage with edit-in-place, and edit-while-ingest.

Key features

- All-in-one system in a 2RU box
- Support for logo and subtitle graphics overlay
- Touchscreen master control
- Stand Alone Video Server
- Networked EDGE server with stream thru capabilities
- Up to 4 IN 8 OUT HD / SD SDI
- Up to 8 IN 8 OUT ASI
- Low res proxy generation on ingest
- Up/down conversion on playout
- From 8 to 30 TB of storage based on hard drives or SSD
- MAM, automation and channel branding
- VDCP and API controllable
- Support 24/7/365
- All in a Box

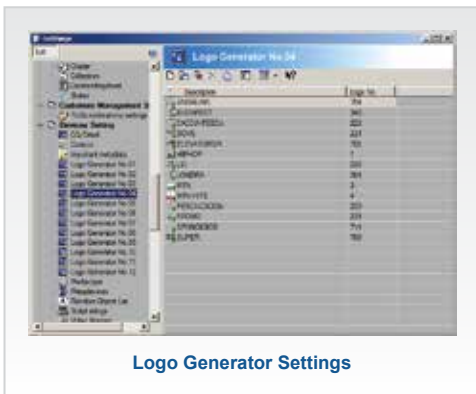
Key benefits

- Streamline your media workflows with a single system for production, ingest, and play-to-air
- Start with a suitable configuration today and scale as you grow



Built-in automation, ingest and playout, and graphics support

AirGo can singlehandedly manage all the tasks required of a typical television workflow.



AirGo does file-based ingest of multi-format and multi-resolution media files with transcoding and quality check. Files may be stored in the built-in storage or streamed through for direct playout. It features frame-accurate playout of SD and HD clips; back-to-back playout of multiple formats and multiplexes; and up/down real-time conversion. Its embedded graphics support allows integrated graphics overlay for inserting logos, subtitles, and crawls, applicable to tickertapes, scoreboards, schedules notifications, program junctions, and TV show promotions. The entire media workflow may be controlled and automated using a single touchscreen interface that serves as master control.

Media files in a box

The 2RU AirGo comes with up to 30 TB of RAID-protected content. It is a reliable storage where files can be edited in place or while being ingested, previewed, or played to air.



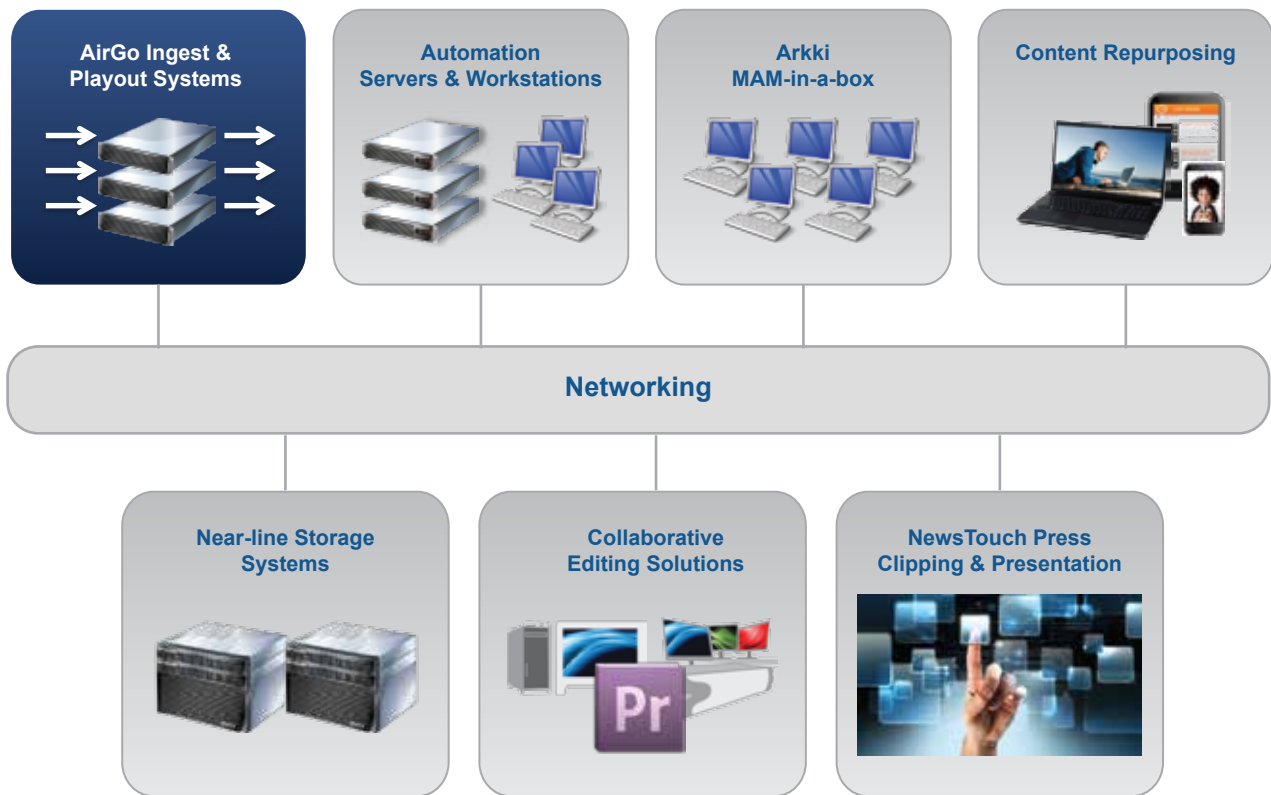
Ready to go

Whether a small local station or a nationwide TV network, AirGo introduces efficiency and automation into a media workflow. AirGo is designed for scalability, and customers can readily choose from different redundancy and capacity options that suit their needs and workflow complexities. They can buy now and scale later.

Specifications

Versions and Part Numbers	<ul style="list-style-type: none"> • MP-SDI-SRV-ENT > 2 IN 2 OUT HD/SD SDI, 8 TB of storage. • MP-SDI-SRV > 2 IN 4 OUT HD/SD, No storage • MP-ASI-SRV > 4 IN 4 OUT ASI, No storage • MP-SDI-SRV-12 TB > 2 IN 4 OUT HD/SD SDI, 12 TB of storage • MP-ASI-SRV-12TB > 4 IN 4 OUT ASI, 12 TB of storage
Channel Expansion Kit	<ul style="list-style-type: none"> • MP-SDI-EXP > Expansion Up to 4 IN 8 OUT HD/SD SDI (included in the kit additional Xeon processor and additional 16 GB RAM) • MP-ASI-EXP > Expansion up to 8 IN 8 OUT ASI • MP-SDI-SRV-SSD > 2 IN 4 OUT SDI, 1TB of storage based on SSD
Media Storage Expansion Kit	<ul style="list-style-type: none"> • MP-EXP-8TB > Storage Expansion 8 TB • MP-EXP-12TB > Storage Expansion 12 TB • MT-EXP-30TB > Storage Expansion 30 TB
Boot Drives	2x redundant SAS (15K RPM) drives
Operating System	Windows Server 2008 R2 STD + 5 CAL
Processor	Intel Xeon 6C E5-2420 1.9 Ghz (optional dual 6C processor, Intel Xeon X3430 for MP-SDI-SRV-ENT)
RAM Memory	16 GB (optional expansion to 32 GB, 4GB for MP-SDI-SRV-ENT)
Network Ports	8x1 Gbit Ethernet ports (optional alternative configuration 2x10 GbE + 4x1 GbE or 2xFC8 + 4x1 GbE, 2x1 Gbit Ethernet for MP-SDI-SRV-ENT)
Power Supply	Dual 750W redundant hot-swappable power supply
Dimensions	2RU, 8.75 cm x 44.55 cm x 74.94 cm (HxWxD)
Graphics Functions	Up to 4 logo layers (unlimited sizes), crawls, CG (subtitles management), video transitions
Audio Functions	Audio shuffling, audio monitoring, audio control, Dolby E pass-through
Master Control Functions	Starting from 1 IN 2 OUT, master control is based on a touch screen interface. SD/HD completely scalable capable to support all major broadcast equipment
Environmental Conditions	Operating temperature range 10°-35°C.(50°-95°F), humidity range 8-90%
SDI Encoder Video Interface	MPTE 292M (switchable 259M): 1 HD-SDI or SDI input, 75 Ohm BNC connectors, Up to 4 HD channels
SDI Decoder Video Interface	SMPTE 292M (switchable 259M) :1 HD-SDI or SDI output, 75 Ohm BNC connectors, Up to 8 HD channels
Supported Compressions	MPG2, DV25, HDV, DVCpro, DVCpro50, DVCproHD, IMX30/40/50, XDCam-EX, XDCam-HD, AVCIntra, AVC-HD, H264, WMV, DNxHD, ProRes
Supported Wrappers	AVI, MXF, GXF, QT
ASI Specifications	DVB-ASI interfaces, DVB (MPEG-2) Transport Stream MPEG-2, MPEG-4, H264 & IP over MPEG-2 Transport Stream (as defined in EN ISO/IEC 13818-1)
Available Software	Mam, Automation, Channel Branding, VTR and Video Router Control, Transcoding and Storage Management

AirGo Ingest and Playout



About MediaPower

MediaPower enables media workflows by providing solutions for media content production and delivery across multiple platforms. MediaPower was founded in 1993 as an integrator of certified networking and storage solutions for the media industry, such as SeaChange International (now XOR Media), DataDirect Networks and DALET.

MediaPower also develops hardware and software solutions for the media industry such as:

- NewsTouch, the touch-based solution for press, video, and internet reviews and presentations
- Arkki, the world's first all-in-one (hardware and software) Media Asset Management System in a Box
- AirGo, a highly integrated and cost-effective Play-To-Air package, that includes multi-format video server, traffic, automation, graphics and titles insertion and presentation mixer
- NewsPack, the turnkey News Production System powered by Dalet

While MediaPower's main markets are Broadcast Television, IPTV, Internet TV, as well as Post Production and Archiving, it also provides storage solutions and specialized software applications for the Automotive, Airspace, Military and Health industries.

As a key differentiator in the area of system integration, MediaPower delivers a unique support system to entire solutions, centralizing all support calls for any solution component into a MediaPower-owned 24x7x365 support center.