

dPAVES™

Elevate your single aisle IFE



Rockwell Collins' Digital Programmable Audio Video Entertainment System (dPAVES™) brings all the conveniences and quality of digital technology to the cabin while significantly reducing weight, volume and power consumption. dPAVES delivers digital entertainment, pre-recorded announcements and the industry standard Airshow® moving map capability in a small 4 MCU package.

Elevate your single aisle IFE solution to the next level with dPAVES and set your airline apart.

**Rockwell
Collins**

Building trust every day

The world advances quickly and new technologies premier everyday. Even the IFE has left the analog age behind. Rockwell Collins developed dPAVES to make your transition from the analog to the digital world as smooth as possible for your single aisle solution.

The rationale behind the move to dPAVES is straightforward:

dPAVES saves you money.

The system provides up to an 85 percent reduction in volume, a 70 percent reduction in weight, a 75 percent reduction in power and six times greater reliability resulting in reduced repair costs over analog systems.

dPAVES increases your programming choices.

160 GB of storage capacity allows you to store at least two play periods of a diverse range of information and entertainment content. The server automatically selects the new content when the new play period starts.

dPAVES makes your logistics efficient.

50 GB of video and audio programming can be loaded via a single Blu-ray DVD into the “Flyable Data Loader” (FDL), then automatically transferred to the server during the flight.

dPAVES gives you control.

The dynamic scripting capability automates programming which is perfectly timed and uniquely scheduled for each route with no crew intervention necessary.

dPAVES has Airshow inside.

Airshow, the cutting edge moving map product is embedded into the dPAVES Broadcast Digital Server (BDS) – no additional hardware required.

dPAVES lets you manage content independently.

Non-encrypted content can be handled by the airline locally and independently – no charges or schedule impact.

dPAVES automates your flight process.

To maximize efficiency and ease of use, we developed the “Dynamic Scripting” functionality which allows you to pre-define time appropriate content profiles for each city pair without any crew intervention necessary. Whether it is a two-hour flight or a five-hour flight, the system automatically delivers content perfectly timed for the length of each route. dPAVES puts you in control of your IFE.



Dynamic scripting – Specify content prior to the flight. Let dPAVES control it for you on board automatically – any flight, any time.



Broadcast Digital Server

Your full-service server solution for IFE.

Meet the compact powerhouse that combines a 160 gigabyte media server with Airshow moving map and PRAM – the Rockwell Collins dPAVES BDS. This single unit can store multiple entertainment cycles, housing all scripts and content pre-defined by your IFE manager. BDS automates all in-flight programming, perfectly timed and uniquely scheduled for each route with no crew intervention necessary.

Key features

- ▶ 160 GB hard drive
- ▶ Embedded Airshow moving map
- ▶ Embedded Pre-Recorded Announcement Machine (PRAM)
- ▶ Plays up to 60 hours of video and 128 hours of audio
- ▶ Complies with WAEA Digital Media Reproducer (DMR) specifications
- ▶ Supports encrypted movie content supported (Hollywood)
- ▶ Plays 2 video zones
- ▶ Plays 2 simultaneous movies in first/economy class, or plays movies on the retractable monitors and Airshow moving maps on bulkhead monitors
- ▶ Supports 16 MP3 audio (mono) channels
- ▶ Includes 1 stereo or 3 mono audio outputs per video output
- ▶ Plays MPEG1 or MPEG2 video with the ability to upgrade to MPEG4
- ▶ Dynamic scripting for content automation



Broadcast Digital Server

Specifications

Height:	7.65 in (194 mm)
Weight:	4.80 in (121 mm)
Depth:	12.60 in (320 mm)
Size:	4 MCU
Weight:	18 lbs
Power:	60 watts
Power Consumption:	115 VAC, 400 Hz
Processor:	1.4 GHz Pentium M
Internal Storage:	160 GB
Interfaces:	Ethernet (3), USB, ARINC 600, ARINC 419/429, RS-485, RS-232, RS-11

Flyable Data Loader

Take the workload out of loading content.

Radically simplify your in-flight entertainment system data loading process with the Rockwell Collins dPAVES FDL. Now, it's as easy as walking onto the aircraft, inserting a customized programming disc and walking away! The system handles everything from there. Passengers instantly begin enjoying the initial in-flight programming, while the remainder of the program downloading takes place in the background.

Key features

- ▶ Blue-Ray/DVD/CD Drive – allows up to 50 gigabytes of video and audio content to be downloaded at one time
- ▶ USB Ports – for loading digital daily news and other smaller content using a standard USB
- ▶ Ethernet port – for simplifying maintenance tasks



Flyable Data Loader

Specifications

Height:	4.3 in (109 mm)
Width:	7.4 in (188 mm)
Length:	12.5 in (317 mm)
Weight:	12 lbs
Power:	115 VAC, 400 Hz
Power Consumption:	80 watts maximum, 75 watts typical
Interfaces:	USB (2), Ethernet, VGA

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

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