PAVES™ BROADCAST IN-FLIGHT ENTERTAINMENT SYSTEM

Elevate your single-aisle overhead IFE solution with PAVES™ Broadcast and set your airline apart.

Image Copyright © Boeing

The Rockwell Collins PAVES™ Broadcast in-flight entertainment system brings all the conveniences and quality of digital technology to the cabin while significantly reducing weight, volume and power consumption and is now HD capable. PAVES Broadcast delivers digital entertainment, recorded announcements and the industry's premium Airshow® 3D moving map capability in a small 4 MCU package.

Elevate your single-aisle broadcast IFE solution with PAVES Broadcast and set your airline apart.

Rockwell Collins

Building trust every day

The world advances quickly and new technologies premiere every day. Even in-flight entertainment has left the analog age behind. Rockwell Collins developed the first-generation PAVES Broadcast system to make your transition from the analog to the digital world as smooth as possible for your single-aisle solution, reducing size, weight and power consumption while freeing up your cabin crew to do what it does best: take care of your passengers.

Now, the Rockwell Collins PAVES Broadcast provides further enhancements in all these areas, adding intuitive touch screen capability at the control panel, also enabling on-board configuration and featuring our HD-capable media server. For customers of the Boeing Sky Interior, the PAVES Broadcast platform is HD capable all the way to the display, with a 12-inch Widescreen Hi-Definition Overhead Monitor available.

Whichever PAVES Broadcast portfolio best suits your needs, the rationale behind the move to PAVES Broadcast is straightforward:

PAVES Broadcast 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.

PAVES Broadcast has Airshow® 3D inside.
Airshow, the cutting-edge moving map product, is embedded into the PAVES Broadcast digital server – no additional hardware required.

PAVES Broadcast increases your programming choices.
In addition to Airshow, boarding music and programmable announcements, the 160 GB of storage capacity also 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.

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

PAVES Broadcast puts you in control.
To maximize efficiency and ease of use, we developed dynamic scripting functionality, which allows you to predefine time- and route-appropriate content profiles for each destination. Whether it is a two- or five-hour flight, the system automatically delivers perfectly suited content – without any crew intervention.

PAVES Broadcast makes your logistics efficient.
Load content directly via USB at the Entertainment Control Panel – or via Blu-ray® disc, using our optional Flyable Data Loader.

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

Welcome
Safety video
Duty free
News
Movie
Commercial
Destination
Moving map
Connecting gate

5-hour flight

Welcome
Safety video
Documentary
Moving map

2-hour flight

Entertainment Control Panel

With an easy-to-use, intuitive interface, and on-the-fly configuration control, the touch-screen Entertainment Control Panel provides space and weight savings while also reducing workload for your cabin crew and maintenance teams.

Key features

> High-definition 10.6-inch 16:9 touch screen
> Modern, intuitive graphical user interface
> Bag-bin space savings
> >35 lb weight savings
> Configurable on board the aircraft
> Content loading via USB 2.0 port
> Easy graphical cabin reconfiguration tools

Specifications

Height	6.7 in (170 mm)
Width	10.6 in (269.24 mm)
Depth	1.37 in (34.8 mm)
Weight	2.56 lb
Power	28 VDC
Power consumption	21 watts max (18 watts typical)
Processor	Intel Atom 1.33 GHz
Internal storage	64 MB RAM, 4 GB flash, 32 GB microSD
Interfaces	10/100 base T Ethernet, 31 pin DSub connector, USB (2), mono audio jack

High-Definition Media Server

Your full-service, HD-capable server solution. Meet the compact powerhouse that combines a 160 gigabyte, HD-capable media server with the Airshow® 3D moving map and programmable announcements. This single unit can store multiple entertainment cycles, housing all content and scripts predefined by your in-flight entertainment manager. The HDMS automates all in-flight programming, perfectly timed and uniquely scheduled for each route.

Key features

> 160 GB hard drive
> Embedded Airshow 3D moving map
> Embedded recorded announcement machine
> Supports encrypted and non-encrypted content, including high-definition video files
> Plays two video zones
> Plays two different movies in first/economy class, or plays one video feed on the retractable monitors, plus Airshow moving maps on bulkhead monitors
> Supports 16 mp3 audio channels
> Includes one stereo or three mono audio outputs per video output
> Plays Mpeg 1 or Mpeg 2 video or H.264
> Dynamic scripting for content automation

Specifications

Height	7.65 in (194.3 mm)
Width	5.0 in (127 mm)
Depth	12.6 in (320 mm)
Size	4 MCU
Weight	12.5 lb
Power	115 VAC, 400 Hz
Power consumption	96 watts max (80 watts typical)
Processor	(3) DaVinci, mobile Pentium® processor
Internal storage	160 GB solid-state-drive Intel®
Interfaces	Ethernet (5), USB 2.0, HD-SDI, ARINC 600 I/F, ARINC 419/429, RS-485

Audio enhancement (optional)

Choose the optional SRS WOW HD™ audio enhancement feature and bring a fully immersive, surround-sound effect to your passengers' entertainment experience. It accommodates any media type, processing it on the fly – a capability that sets WOW HD apart as the first of its kind in the industry.

Passengers can enjoy:
> A 3D sound stage
> Deeper, enhanced bass
> Clearer dialogue
> An improved mid- and high-frequency response

WOW HD optimally tunes the performance of all headphones and ear buds – whether airline or passenger supplied. It adds richer, fuller sound to your PAVES Broadcast in-flight entertainment, enabling you to get the most from your headphone investment.

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.

For more information, contact:

Rockwell Collins
400 Collins Road NE
Cedar Rapids, Iowa 52498
+1.319.295.4085
email: csmarketing@rockwellcollins.com
www.rockwellcollins.com

Rockwell Collins

Building trust every day