



CABIN MANAGEMENT SYSTEM

Easy to install. Scalable. Reliable.
Select the fully digital cabin solution with
the best in High Definition communication
and entertainment products.

Ovation Select Cabin Management System (CMS)

Choose the CMS that takes less time, components and wires to install. Choose the CMS that lets passengers be just as connected onboard as they are in the office and enjoy news, sports, movies, gaming and music – all in High Definition. Choose Ovation Select for your CMS installations.

Leveraging more than 35 years of cabin suite expertise and the latest digital technology, Ovation Select delivers media content in crisp surround sound audio and vivid high definition (HD1080p) video. The system lets passengers receive and respond to E-mail, access the Internet, host video conferences and make telephone calls. The result? Every seat becomes its own office or theater in the sky.

Passengers control their environment - lighting, seats, temperature, galley and

window shades - using easy-to-read icons. Ovation Select can be customized with unique backgrounds and languages, including a customizable 3-D aircraft model rendering inside the JetMap™ HD moving map.

Seamlessly integrating the latest and greatest consumer electronic devices into your cabin is easy. Simply carry them on and plug them in. As technology evolves, Ovation Select easily accommodates tomorrow's devices.

Understanding that time is money, Ovation Select is reliable. The system design, diagnostic tools and global support network keeps the cabin system available and aircraft flying.

With Ovation Select, your passengers will be able to make the most of their travel time and have the best overall in-flight experience.



Hi-Def

- Full HD video source and display
- Crystal clear surround sound
- Integrated 3-D HD moving map



Hi-Speed

- High-speed internet
- BlackBerry and smartphone connectivity
- Imperceptible latency

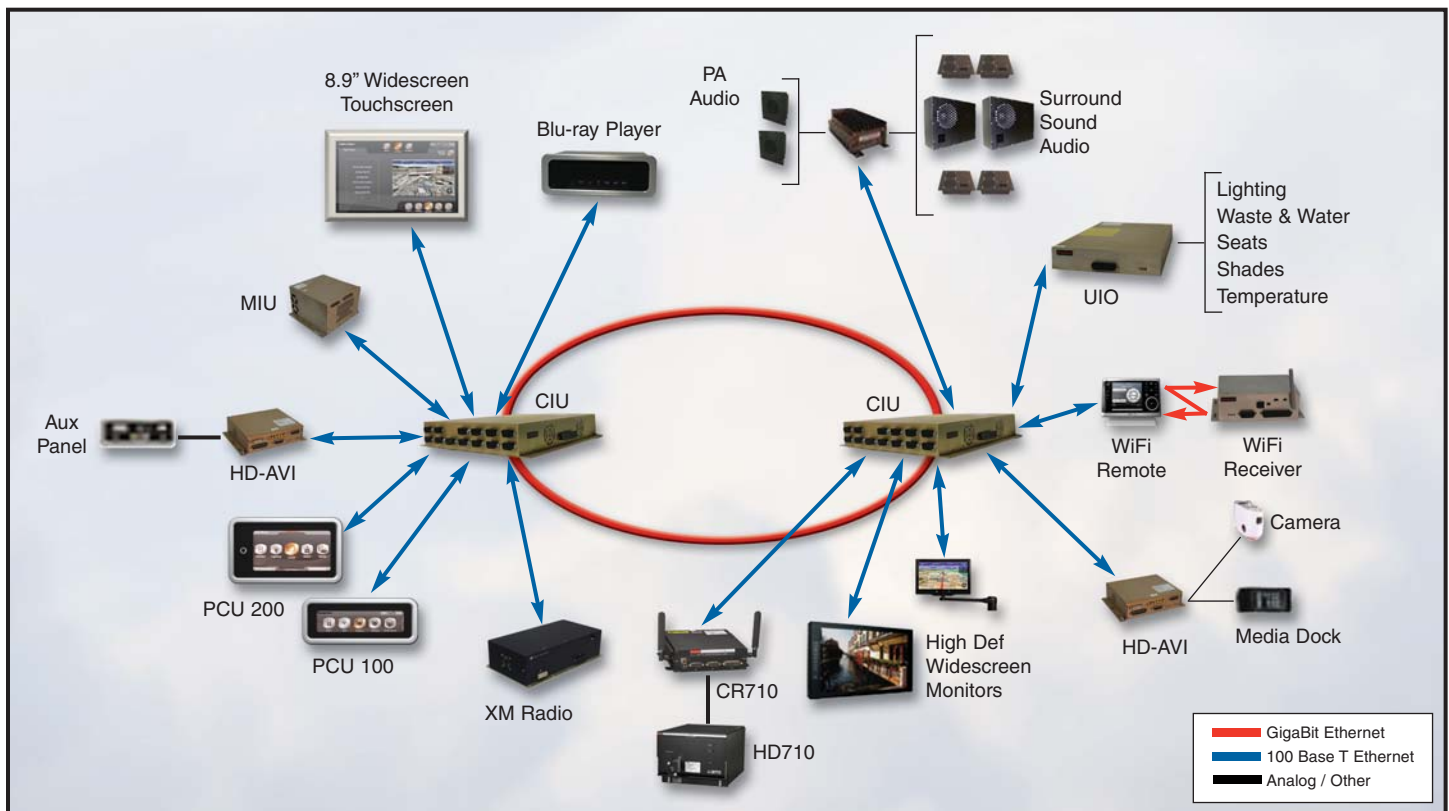


Hi-Touch

- Simple, customizable passenger interface controls
- Fully integrated digital and scalable architecture
- Rapid integration to new consumer electronics

Hi-Future

Ovation Select System Diagram



Key System Components

Cabin Interface Unit (CIU)

The heart of the system and a highly reliable Ethernet switch that acts as the audio/video distribution and command and control unit. Interconnects all of the cabin equipment across the CMS network, as well as provided 28 VDC power to the key components.

Utility I/O (UIO)

Provides control functions for those components that cannot interface directly to the CMS. Manages a variety of cabin sub-systems such as cabin temperature control, cabin lighting control, all galley operations, and other third-party electronics.

Audio System

TSO'd amplifiers, entertainment loudspeakers, subwoofers, page/chime loudspeakers and surround sound systems customized for each aircraft provide the highest performance, lightest weight products available in the aviation market, mitigating the challenges of the harsh cabin environment and allowing you to achieve the best sonic performance possible.

Hi-Def Monitors

Provide end-to-end digital video and comes in both at-seat (9", 12") and Bulkhead (17.5", 19", 24", 32") styles with 16:9 aspect ratio widescreen format.

Hi-Def Audio/Video Output (HD AVO)

Facilitates the interface to non-native HD monitors. Particularly beneficial for integrating large (> 32"), widescreen monitors or other non-standard sized monitors.

Passenger Control Units (PCU)

These touchscreen control devices come in two formats (1"x5" & 2"x4" active area) and provide primary user interface for command and control of the Ovation Select components. Icon-based, easy to use and customizable, these full-color devices follow the familiar slide and select operation as used in the iPod® and iPod Touch™.

Ovation Select Touchscreen (OST)

This 8.9", Hi-Def, 16:9 aspect ratio widescreen device with a graphical interface can display and control all of the cabin system components. The OST can be either bulkhead-mounted (galley control) or arm-mounted (VIP control and/or video monitor).

WiFi Wireless Remote

Off-the-shelf Philips Pronto remotes (TSU9600 & TSU9800) combine a hybrid of button controls and touchscreen controls. The 9600 has a 3.9" display while the 9800's is 6.4" widescreen display.

Blu-ray® Player

Allows passenger viewing of the next generation of HD pre-recorded media. Backwards-compatible with the current DVD and CD technology standards.

Media Interface Unit (MIU)

The MIU centralizes many Ovation Select features. Provides storage for A/V media files to be distributed across the CMS, hosts JetMap HD moving map application with optional content service, and logs CMS anomalies and health warnings.

XM Radio®

Provides coverage within North America for more than 170 audio channels with up-to-the-minute headlines, business news, sports and weather, as well as at least 70 quality music channels. Available options include 2, 4 or 8 channels.

Auxiliary (Aux) Panel

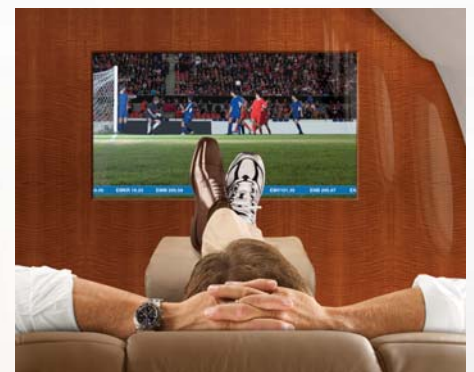
Integrates and distributes the audio and video content for several types of carry-on electronics. Interface types include HDMI, VGA, 3.5mm four-contact aux-in, Standard Definition RCA, USB, and optional RJ-45.

Media Dock

Enables full command and control of iPod from any Ovation Select PCU.

Hi-Def Audio/Video Input (HD AVI)

Facilitates the interface to non-native A/V components.



Installation Benefits

- Requires approximately 50% less time to design and install than legacy Honeywell systems.
- The only cabin system that fully distributes 1080p High Definition video, audio, data, command and control and 28 VDC power over a single Cat5e Ethernet cable - with no perceptible latency.
- The system's Master Configuration Tool (MCT) is a sophisticated, web-hosted, PC-based, application engineering toolset that provides rapid CMS database re-definition and custom configuration software builds. The MCT exists in two versions – one for Honeywell engineers and one for dealers – and can reduce design-to-implementation time.
- As new equipment is introduced or a failed component is replaced, the system automatically updates the new unit's configuration accordingly, with no operator interaction required.

- System design minimizes single-point failures, such that in the event of a failed component, only the function provided by that component will be affected while the unaffected components within the network remain operational.
- Advanced onboard diagnostics tool continuously monitors the entire system, end-to-end, providing real-time status to the crew in a manner that they can easily understand, including recommended actions to resolve the issue.
- Components backed by the Honeywell global support network including the SPEX® exchange and rental program and Honeywell Avionics Protection Plan (HAPP), so replacements are provided immediately and the aircraft can return to service quickly.
- Scalable system design reduces hardware lead times through common components that fit all aircraft platform sizes.

Honeywell Advantages

- Easy to install
- Simple-to-use controls
- Architecture designed for growth and scalability
- Always available with Honeywell Global Support
- Best-in-class integrated communications and entertainment components

Engage Productivity

Learn more at:

www.ovationselect.com

- With Ovation Select, achieve the following installation savings:

- Up to 35% reduction in system weight*
- Up to 40% reduction in component count*

- Up to 50% reduction in cable and connector types, as well as total wire count*

- Up to 55% reduction in total wire length*

*Estimated figures compared to Honeywell legacy systems on a typical mid-size cabin. Actual savings can vary based on aircraft type and installation experience of completion center.

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