



Aircraft Data Management and Video Capabilities

UTC Aerospace Systems offers Aircraft Data Management (ADM) and Video Systems as stand-alone offerings or a combined solution that provides an enhanced system and leverages the complementary features of the ADM and Video products.

The 8730L Series Aircraft Interface Device (AID) is integrated with services and software to create a complete, ready-to-use solution.

The OpsInsight™ 8410P1 Series Internet Protocol (IP) Camera covertly produces digital video and audio signals from the cabin area, flight deck and cargo bays, then streams these signals to an AID-based Digital Video Recorder, EFB or aircraft avionics systems to provide the flight crew and ground operators with comprehensive, real-time awareness of on-aircraft situations.

As a leading provider of video security and safety systems for commercial aerospace and defense, our commitment is to help our customers and partners develop and maintain safer, lighter, more reliable and more efficient aircraft. With over 100 years of innovation behind us, we excel in meeting customer needs.

Features & Benefits

- Enhanced video files with aircraft metadata (e.g. GPS time/position, tail number, etc.)
- Video cameras provide supplemental data source for AID
- AID provides multiple communication paths for Video systems, enabling real-time situational awareness for airline personnel
- Both systems are certified on multiple aircraft types, allowing for common fleet-wide solutions for mixed fleets
- Secure video recording via AID, including encryption for evidence management

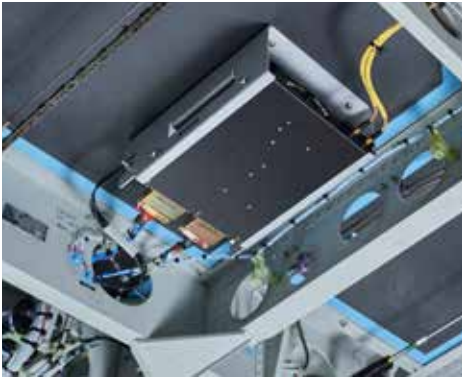


AID

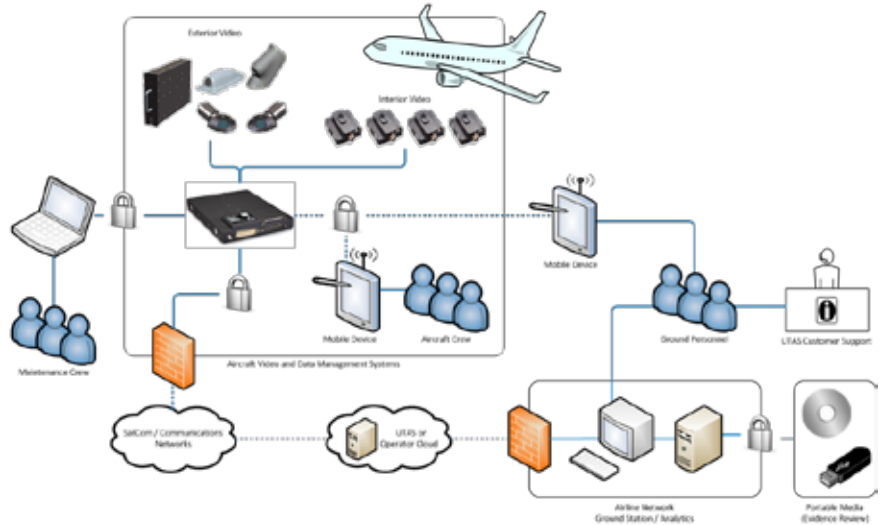


IP Camera
(Actual size)

Aircraft Data Management and Video Capabilities



Example AID installation



Example ADM and Video integrated system architecture

AID Connectivity

- 1x +28VDC input power
- 3x 10/100 base-t Ethernet
- 3x 10/100/1000 base-t Ethernet
- 16x ARINC 429 receivers (2 receivers feature auto-detect for bipolar ARINC 717 data)
- 1x ARINC 717 hardware bi-phase receiver
- 6x ARINC 429 transmitters

8730L Series AID Features

- Field loadable software
- Communicates with preferred SATCOM and ACARS providers
- CFast storage available up to 256GB
- Ability to add hosted functions
- FAA/EASA/CAAC certified device with Parts Manufacturer Approval
- Installations include Airbus, Boeing and Bombardier aircraft
- Aircraft integration is optimized for ease of installation and minimized total cost
- Low weight and small form factor
- Built-in hardware and software network security features
- DVR with ability to send video to tablets
- Advanced data encryption

Internet Protocol (IP) Camera Connectivity

- 1x +28VDC power
- 1x 10/100 base-t Ethernet
- Optional discrete input for recording trigger

8410P Series IP Camera Features

- Small envelope and lightweight package allow for installation in class dividers and other confined aircraft areas
- Covert pin-hole installation with wide field of view
- Optimized low light performance to <1 lux without IR illumination
- Multi-stream compressed 1080p/H.264 video and G.711 audio output
- Integrated omnidirectional microphone
- Color or monochromatic output
- Covert and overt mounting options
- Configurable frame rate 1-30 fps
- Multi-media recording control with discrete input and motion detection
- Integrated web server for system configuration and operation

For additional information:

14300 Judicial Road, Burnsville, MN 55306 U.S.A.
 Tel: +1 952 892 4000
 Toll-Free +1 844 UTAS EFB (+1 844 882 7332)
 efb@utas.utc.com

This document does not contain any export controlled technical data.

utcaerospacesystemsEFB.com

4325A LIT 6/2017 © Rosemount Aerospace Inc., 2017



Scan code for more information.