

Retro-Fit Cockpit Door Surveillance Solution

AD Aerospace's Retro-Fit Cockpit Door Surveillance System (CDSS) aims to improve security around the cockpit door and allow pilots to identify anyone requesting access to the cockpit.

Specifications

This system can be supplied with either FAA STC or EASA Minor Modification approval to certify the installation.

The system includes the following products: 3 x FV-0410, 1 x FV-0580, 1 x FV-0835, 1 x FV-1050.

FV-0410
Video Camera



- For use within the cabin of a commercial aircraft, to provide the overt but non-obtrusive monitoring of areas.
- **IR Performance:** 6 LEDs, at +/- 30 degrees cone, at 875nm
- **Sensor:** 1/3" interline transfer CCD
- **Sensitivity:** Better than 0.01 Lux at f2.0
- **Power Consumption:** 80mA from the 28V source

FV-0580
Video
Transmission
Unit



- Takes input from up to 4 analogue cameras and produces video streams suitable for viewing on displays, such as LCD monitors.
- **Power:** Maximum under normal operating conditions of 0.5A at 28V to aircraft RTCA Do160D.
- **Connectors:** Mil-C-38999 connectors

FV-0835
6" LCD Monitor



- Designed to fit in the cockpit of a commercial aircraft either in the central pedestal or other suitable location.
- It is light weight, low powered, and can be quickly installed/maintained as it is Dzus rail mounted.
- **Power:** The unit runs from 28V power. The power drawn is a maximum of 10W
- **Connectors:** Mil-C-38999 connector
- **Display Resolution:** 960 x 234 pixels

FV-1050
Control Panel

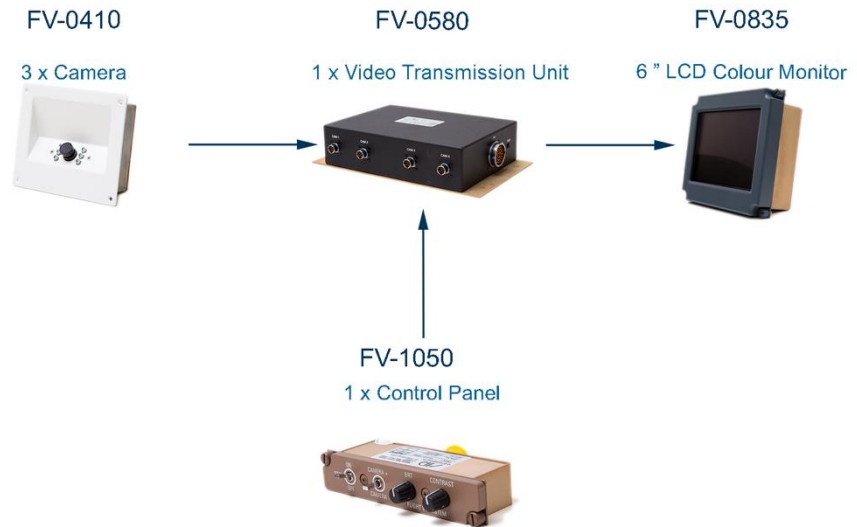


- Designed to be fitted in the cockpit instrument panel of a commercial aircraft.
- The front panel switches are fitted behind a "Light plate" which gives trans-illumination through the knobs, around the panel, and through the lettering, allowing the switches to be identified in a darkened cockpit.



System Architecture

Retro-Fit Cockpit Door Surveillance Solution (CDSS/FDEVSS)



- The three cameras are all located in the passenger cabin ceiling panels, one immediately in front of the cockpit door, once above the forward passenger door and one above the forward service door. This combination of camera locations provides full visibility of the forward passenger cabin area from in front of the passenger door, right across to the service door, including the galley area.
- The whole system is easily installed over a 2-3 day working period, consuming on average 100-125 manhours.

