



▶ ABOUT AD AEROSPACE

AD Aerospace is a British company, with facilities in Manchester, UK, Atlanta, USA and Singapore which has been designing and manufacturing the FlightVu range of aerospace video camera products since 1995. FlightVu includes state-of-the-art video security and safety systems which offer a variety of applications including general security needs such as threat detection, physical security and access control, and can be used for monitoring activity in the cockpit, passenger cabin and for cargo/baggage hold surveillance. AD Aerospace has EASA approvals for Manufacturing: UK.21G.2205 and Maintenance: UK.145.00613, and is an approved supplier to The Boeing Company.

AD Aerospace is part of AD Group which has as its primary objective to create and bring to market leading edge CCTV solutions. The pioneering nature of the AD Group's products, with the emphasis very much on R&D, has been a critical element in its success to date. All AD Group companies are able to take advantage of a shared technology base, offering the potential for flexible CCTV solutions on the ground, in the air and on the move. Companies within AD Group include: AD Aerospace, AD Aviation, AD Network Video, ChipWrights, Dedicated Micros, D-Tec, ISD, RemGuard, TSS and AD Mobile.



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— SECURING YOUR AIRCRAFT —



▶ THE THREAT

Unlike commercial airliners that are rarely left unoccupied, VIP aircraft and Business Jets can often be parked up for hours or even days without someone on board. In addition to this, they are likely to be on smaller airfields or at remote locations where security is not as high as at an international airport, if security exists at all.

This leaves VIP and Business aircraft open to threats and dangers not experienced by commercial airliners. These include:

- ▶ Theft from the aircraft
- ▶ Tampering with the aircraft to obtain valuable parts
- ▶ Sabotage of the aircraft either by the removal of or addition of a part of an engine or placing something in the cargo hold
- ▶ Stowaways – on larger aircraft persons could conceal themselves aboard in the hope of transferring to another country
- ▶ Smuggling of contraband by concealing it on the aircraft to be collected later by an accomplice at the final destination particularly when regular flight are made between two sites/countries. This allows the smuggler to avoid all risk of detection by customs and passes it to the plane operator / owner
- ▶ Vandalism

VIP or Business Aircraft cabin configurations can make it difficult or impossible for the crew to detect tampering or changes to the aircraft or to effectively search the aircraft before a flight.

**Aircraft Video Systems
for Security and Safety**



► THE SOLUTION

AD Aerospace FlightVu Defender systems provide continuous all round security for parked unoccupied aircraft. This is achieved by having a series of cameras monitoring overlapping fields of view to give comprehensive coverage of the aircraft and its surrounding area. The cameras are connected to an "Intelligent Video Server" which uses video analytics to identify the presence of anyone within programmable zones around the aircraft. Should an alarm event occur the Video Server begins recording to provide evidence of the incident and can also potentially alert nearby designated security personnel who can then take appropriate action.

The recorded video alarms serve two purposes: firstly they can be reviewed when the plane is going to be used to ensure nothing has happened to it while parked and secondly should any incident occur they can be "watermarked" and stored to be used as courtroom admissible evidence.

The FlightVu Defender video security system can also be linked to In-Flight Entertainment systems to provide stunning views of a flight's take off and landing, as well as offering views of the exterior of the aircraft. Furthermore the behaviour and activities of handling and engineering personnel can be monitored during routine ground maintenance.



► THE APPLICATION

As a unauthorised person enters the designated zone around the aircraft an alarm is triggered and the Video Server begins recording the incident.



CCTV Solutions on the Ground,
in the Air and on the Move

