

## Cargo Surveillance Solution

AD Aerospace's Cargo Surveillance System monitors the cargo holds in passenger and freighter aircrafts. Made up of a number of CCTV cameras connected to a digital video server, the system allows for real-time streaming of video to an EFB or a dedicated LCD display. The aim of the system is to allow the crew to keep a visual check on the cargo loading, access progress, and to monitor for illegal activity.

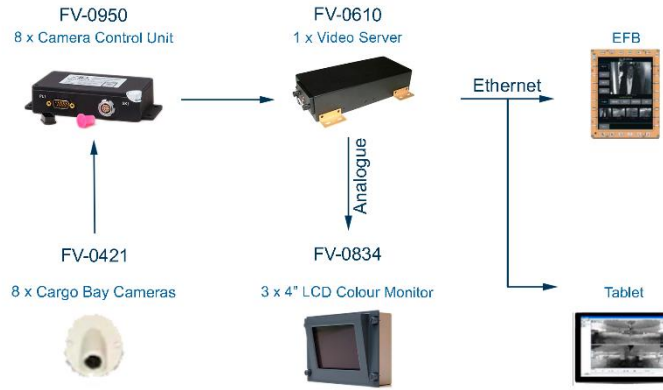
| <b>Specifications</b>    |   |
|--------------------------|---|
|                          | <ul style="list-style-type: none"> <li>• Colour/Monochrome; CCIR or EIA Cameras</li> <li>• Various Filed of View (FoV): Ranging from 10 to 116 degrees</li> <li>• Depending on camera model chosen:               <ul style="list-style-type: none"> <li>- FV-0413 -&gt; Maximum 6W per camera from 28V d/c supply</li> <li>- FV-0421 -&gt; Maximum 3W per camera from 12V d/c supplied through FV-0950 camera control unit</li> <li>- FV-0315 -&gt; Maximum 3W Camera, plus 10W heating from 28V aircraft supply</li> </ul> </li> <li>• Light Control by auto shuttering means no moving parts</li> <li>• Live video stream on EFB or independent LCD monitor</li> <li>• Video server accepts up to 8 video streams</li> <li>• Video stream accessible through an Ethernet connection and stored on a removable flash storage device.</li> </ul> |
| <b>Weight</b>            | <p><b>Camera:</b> 400g Maximum<br/> <b>LCD Monitor:</b> 900g Maximum<br/> <b>Video Transmission/Storage Unit:</b> 1200g Maximum</p>   |
| <b>System Components</b> | <p><b>Camera:</b> FV-0413 or FV-0421<br/> <b>LCD Monitor:</b> FV-0834 (4" inch) or FV-0835 (6" inch)<br/> <b>Video Server:</b> FV-0610 or FV-0710</p>   |
| <b>Camera Options</b>    | <p><b>FV-0421:</b> Covert Internal Aerospace Camera with a pinhole lens. It is designed to be mounted on a suitable secondary structure. A semi-covert housing is available but depending on the customer requirements and cargo bay layout, camera can be mounted as to be completely covert.</p> <p><b>FV-0413:</b> Internal Aerospace Camera, with incorporated IR Illumination. The IR (Infra-Red) illumination operates at 860nm, outside the bandwidth of the human eye to provide superior low light performance.</p> <p><b>FV-0315:</b> Camera provides quality video images in the harsh environment experienced in non-pressurized and non-temperature-controlled environment as experienced by an aircraft flying up to 50,000 feet.</p>   |



## System Architecture:

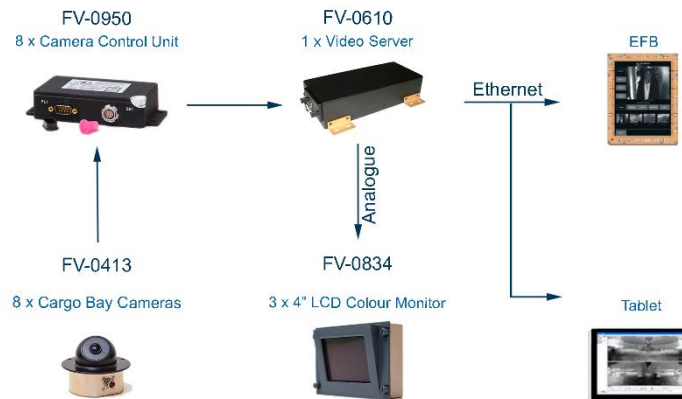
### Cargo Surveillance Solution

"Architecture Option 1"



### Cargo Surveillance Solution

"Architecture Option 2"



### Cargo Surveillance Solution

"Architecture Option 3"

