

## Internal Aerospace IP Camera with Integral IR Illuminator



The FV-0462 is an airborne High definition IP CCTV camera with integrated IR illumination.

Designed in a compact dome form-factor, the LRU has minimal weight and space requirements. The unit is designed to be mounted through cabin panels up to 10mm thick. The unit is finished to a high standard allowing the unit to be overtly mounted in the cabin as a deterrent whilst not detracting from the aesthetic design of the cabin.

The camera provides the clearest image and best contrast in the hugely variable light conditions found in aircraft flying at 50,000 feet. The Infra-Red (IR) Illuminators produce light at an 850nm wavelength which is invisible to the human eye but within the sensitivity of the camera, producing clear images in low light situations, such as night-time light levels on an aircraft, and helps compensate when a subject is strongly backlit.

The unit runs its own webserver and makes the IP stream accessible via 10/100BASE-T Ethernet and supports RTSP for easy integration with existing systems.

<b>Specifications</b>	
<b>Size</b>	<b>Overall:</b> 102mm diameter including the flange x 70mm deep. <b>Dome Protrusion:</b> 60mm diameter x 40mm deep.
<b>Weight</b>	300g maximum
<b>Sensor</b>	1/3" 3.1MP HD Progressive Scanning CMOS
<b>Sensitivity</b>	More than 0.01 Lux
<b>Power Consumption</b>	Maximum Current Draw 250mA at 28VDC
<b>Video Codec</b>	MPEG4 part 10 H.264
<b>Light Control</b>	Auto electronic shutter to 1/50,000 seconds
<b>Field of View</b>	Diagonal: 98°
<b>Material</b>	BSEN485: 6082 T6 or 6262 T6-T9
<b>Paint Finish</b>	ALOCHROM 1200 TO AMS 03-18 Finish to suit cabin interior
<b>Resolution</b>	Max 1080p30 – Full HD



## Internal Aerospace IP Camera with Integral IR Illuminator

### Specifications continued

<b>Network Interface</b>	Ethernet 100BaseT
<b>IR Performance</b>	6 LEDs, at +/- 150 degrees cone, at 850nm wavelength
<b>Connector</b>	Mil-C-D38999 connector
<b>Environmental Qualification</b>	DO-160G for Cabin Overhead mounted equipment, for use within an aircraft flying up to 50,000 feet but in an area normally pressurised to 15,000 feet. Acceleration test up to 7G in all axes as per ISO 2669.
<b>Temperature</b>	<b>Operating:</b> -15°C to +70°C <b>Storage:</b> -55°C to +85°C
<b>MTBF</b>	50,000 hours

phone: +44 (0)1928 280300 email: enquiry@ad-aero.com web: www.ad-aero.com

address: Electra House, Pepper Rd, Hazel Grove, Stockport, Cheshire, SK7 5BW

