FV-0461

Internal Aerospace IP Camera with Integral IR Illuminator

AD Aerospace's FV-0461 is an Internal High Definition IP Camera, is designed to be fitted within the aircraft, in a pressurised, heated area.

Designed for cargo bay or cabin use, the LRU features a recessed design with no protruding parts that enables the unit to be installed in the same environment as moving equipment minimising the risk of accidental damage. The FV-0461 can 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 camera runs its own webserver and makes the IP stream accessible via Ethernet 100BaseT, and supports streaming over RTSP for easy integration with existing systems.

Specifications

Size	140mm x 120mm x 42mm
Weight	400g maximum
Sensor	1/3" 3.1MP HD Progressive Scanning CMOS
Sensitivity	More than 0.01 Lux
Power Consumption	Maximum Current Draw 250mA at 28VDC
Video Codec	MPEG4 part 10 H.264
Light Control	Auto electronic shutter to 1/50,000 seconds
Field of View	Diagonal: 98°
Material	**Cast Parts:** Aluminium Alloy to 7175 T351 **Fabricated Parts:** Aluminium Alloy to 6082 T6
Paint Finish	Alocrom 1200 to Def Stan 03-18 Finish to suit cabin interior.
Resolution	Max 1080p30 – Full HD

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Specifications continued	
Network Interface	Ethernet 100BaseT
IR Performance	10 LEDs, at +/- 150 degrees cone, at 850nm wavelength
Connector	Mil-C-D38999 connector
Environmental Qualification	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.
Temperature	**Operating:** -15°C to +70°C **Storage:** -55°C to +85°C
MTBF	50,000 hours

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