

Internal Video Camera



AD Aerospace's FV-0413 is an internal aerospace camera, including IR Illumination. The Camera is designed to be fitted within the aircraft ceiling trim, in a pressurised, heated area. It incorporates IR (Infra-Red) illumination operating at 860nm, outside the bandwidth of the human eye to provide superior low light performance.

The design allows for a variety of lens options, to suit most requirements. The Camera is typically utilised as part of an Aircraft Cabin Monitoring System. However, other proven applications include.

- Cargo Monitoring
- Visual Smoke Detection
- Cockpit Door Security System (CDSS)

The camera contains the very latest generation of analogue video sensing technology and offers excellent low light performance and facial recognition.

Specifications

Size	Size: 100mm diameter including the flange x 80mm deep. Size: (Dome Protrusion) 60mm diameter x 40mm deep.
Weight	0.4kg Maximum
Material	The housing is currently manufactured as a machined part from a solid block. It consists of a painted aluminium housing, with nonadjustable fixed dimensions, and a flat aluminium lid. Fabricated Parts: Al Alloy to BSEN485:3103H4/5251H22, or 6061T4.
Fixings	The camera is secured using 3 fixing hole positions in the flange.
Cooling	There is no requirement for air cooling and the unit contains no internal fans.
Power Requirements	The power drawn is to be a maximum of 220mA from the 28V source.
IR Performance	IR Performance: 6 LEDs, at +/- 45 degrees cone, at 860nm Range >10ft.
Connectors	Mil-C-38999 connector
MTBF	50,000 hours.



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Specifications continued	
Field of view	<p>Field of View:</p> <ul style="list-style-type: none"> • 150° (2.5 mm lens) • 130° (3.0 mm lens) • 95° (3.6mm Lens) • 78° (4.3mm lens) • 53° (6.0mm lens) • 40° (8mm lens) • 28° (12mm lens) <p><i>Note: Field of view is 4:3 diagonal.</i></p>
Colour/B&W	<p>Camera can be pre-configured to operate either in Colour or B&W mode depending on its application.</p>
Software	<p>There is no software content in the product.</p>
Electrical/EMC Qualification	<p>RTCA DO160G</p>

