



# FV-0410

## Internal Aerospace Camera with Integral IR Illuminator

AD Aerospace's FV-0410 Internal Aerospace Camera is designed for use within the cabin of commercial aircraft to provide overt but not obtrusive monitoring of areas such as the cockpit approach and passenger cabin.

The camera is monochrome to provide 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 a 875nm wavelength which is invisible to the human eye but within the sensitivity of the camera. This allows clear images to be produced in low light situations such as night time light levels on an aircraft and also helps compensate when a subject is strongly backlit.



The units has a variety of lens options, and colour finishes to suit most requirements.

### Specifications

Sensor	1/3" interline transfer CCD
Elements	CCIR 320k elements or EIA 290k elements
TV Standard	625 line, CCIR or 525 line, EIA
Resolution	Greater than 420 TV Lines per picture height (horizontal) in picture centre. Greater than 300 lines in the corners.
Sensitivity	Better than 0.01 Lux at f2.0
Light Control	Auto electronic shutter to 1/100,000 seconds
Video Outputs	1.0V p-p into 75R composite video (unbalanced) and 50R or 100R balanced video as an option
IR Performance	6 LEDs, at +/- 30 degrees cone, at 875nm
MTBF	50,000 hours
Connector	Single Mil-C-38999 connector
Power Consumption	80mA from the 28V source
Field of View	Various lenses from 26 to 135 degrees
Size	140mm x 120mm x 61mm
Weight	Maximum 425g
Material	Cast Parts: Aluminium Alloy to LM25 Fabricated Parts: Al Alloy to BSEN485:3103H4/5251H22, or 6061T4
Paint Finish	Alocrom to Def Stan 03-18 Finish to suit cabin interior
Environmental Qualification	ED-14E 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
Temperature	Operating: -15°C to +70°C Storage: -55°C to +85°C

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