

AD Aerospace's FV-0420 Covert Internal Aerospace Camera is designed for use within the interior of commercial aircraft to provide monitoring of activity in areas such as the baggage / cargo holds, cockpit approach or passenger cabin.

The camera is designed to be mounted on suitable secondary structure, and to view through a panel designed and painted to match the existing aircraft interior using a "pin hole" lens. The camera can be further disguised by the use of a black dummy part number label with the pin hole situated in a suitably discreet position.

A typical application is the use of the camera in baggage holds to catch theft or tampering with luggage.



Specifications

Sensor	1/3" interline transfer Ex-View HAD CCD		
	50Hz	752 x 582 elements	
	60Hz	768 x 494 elements	
TV Standard	CCIR 625 line, 50Hz or EIA 525 line, 60Hz		
Resolution Colour	Greater than 480 TV Lines per picture height (horizontal) in picture centre. Greater than 350 lines in the corners		
Resolution Monochrome	Greater than 600 TV Lines per picture height (horizontal) in picture centre. Greater than 500 lines in the corners		
Sensitivity Colour	Better than 0.1 Lux reverts to monochrome at less than 1 lux		
Sensitivity monochrome	Better than 0.02 Lux		
Light Control	Auto electronic shutter to 1/100,000 seconds		
Video Output	1.0V p-p into 75R composite video (unbalanced)		
Power Consumption	Maximum 130mA from 12V +/- 10% supply		
MTBF	100,000 hours		
Field of View	Option 01	67° x 52°	(3.7mm Pin Hole)
	Option 02	59° x 45°	(4.3mm Pin Hole)
Size (max)	Camera (without bracket)	66mm x 21mm dia	
	Camera and bracket	80mm x 100mm x 32mm	
Weight (max)	Camera (without bracket)	50g	
	Camera and bracket	180g	
Connector/ Camera	Lemo PHN-0F-305-XLM		
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	