

AD Aerospace's FV-0315 External Aerospace Camera provides quality video images in the harsh environment experienced by the external surfaces of an aircraft.

The camera is designed to be used external to an aircraft flying up to 50,000 feet, and is hermetically sealed, and dry nitrogen purged to avoid internal misting and icing.

The window is aerodynamically shaped to allow water droplet removal as the aircraft moves in the air stream and has no "edges" to allow water droplets to be trapped.

The window is heated with an internally fitted 10W kapton heater, which allows for the outside of the window to be de-misted and de-iced.



The design allows for a variety of lens options, to suit most requirements.

Specifications

Sensor	1/4" CCD or	PAL/CCIR 765 (H) x 582 (V) NTSC/EIA 768 (H) x 492 (V)
TV Standard	625 line PAL (colour), CCIR (monochrome) or 525 line NTSC (colour), EIA (monochrome)	
Resolution	Colour: Greater than 460 TV Lines. Monochrome: Greater than 520 TV Lines	
Sensitivity	Colour: 1.0 Lux Monochrome: 0.1 Lux	
Light Control	Auto electronic shutter to 1/100,000 seconds	
Video Output	1.0V p-p into customer selectable termination	
Power Consumption	Maximum 3W Camera, plus 10W heating from 28V aircraft supply	
Field of View	Various lenses from 19 to 116 degrees	
Size	48.0mm x 82.0 mm long excluding connector	
Weight	Maximum 350g	
Material	Titanium	
Window	Sapphire glass window single layer anti-reflective coating. Heated via a kapton adhesive heater for de-icing	
Environmental Specification	RTCA DO160E(or ED-14E) Operating: -55°C to +45°C Storage: -55°C to +85°C Altitude: 50,000 ft	