

FEATURES

- High Resolution Color CCD Camera
- Environmentally Sealed Protective Housing
- Vibration and Shock Resistant
- EMI Protected

General Description

This very rugged camera can withstand extreme shock and vibration levels when installed in its saddle mount. The camera is well protected inside an environmentally sealed aluminum housing, finished in olive-drab anodize. The housing can "breathe" through a Gore-Tex™ membrane minimizing maintenance requirements during long-term storage. The camera housing is equipped with an alignment pin to ensure correct horizon setting when installing or replacing a camera in the standard saddle mount. Front glass and lens can be replaced without removing the camera from its fixture. Special care has been taken to protect the camera from EMI; all sealing o-rings are conductive, the front glass is conductive coated and all camera electronics are electronically isolated from the housing.



Specifications

Pick-up Device	Interline transfer 1/2" CCD
Picture Elements	752(H) x 582(V)
Signal System	PAL
Lens	100mm F3.5
Horizontal Field of View	3.7°
Sync System	Internal
Horizontal Resolution	460 TVL
Sensitivity (camera)	0.5Lux, AGC On
Sensitivity (w. lens & window)	31Lux, AGC On
Shutter speed	Auto, from 1/50 to 1/100,000 s
S/N Ratio	Better than 46dB
AGC	On / Off
Power Requirements	10.5 to 15VDC, 2.4W
Connector	D38999/24WA35PN
Dimensions	
Weight	

Environmental Specifications

Storage Temperature	-46 °C to +71 °C
Operating Temperature	-40 °C to +60 °C
Altitude (Norm-Operational)	Sea Level to 60,000 ft.+
Altitude (Non-Operational)*	-15,000 ft. to 60,000 ft.+
Storage Humidity	95% (50°C)-85% (38°C)
Operating Humidity	5% 90% relative humidity (non-condensing)
Vibration (Operational)	MIL-STD-810C, 514, W, 9 hrs
Shock (Operational)	MIL-STD-810C, 516, I, 3 dir, 150g, 1ms
EMI	MIL-STD-461C, RS02, RS03, 50V/m, RE03
	Design goals