

Features

- Small and Light Weight
- 1/4" CCD DSP Color Sensor
- Backlight Compensation
- NTSC standard, PAL version available
- CCD Iris
- Reverse Scan (Mirror) selectable
- Environmentally Sealed Housing
- Sapphire Window with EMI Protection

General Description

The RPC-651ER/3.0 camera is a very rugged and compact color CCD video camera. The camera is well protected inside an environmentally sealed aluminum housing, finished in olive-drab anodize and with a scratch resistant sapphire window. The housing can "breathe" through a Gore-Tex™ membrane minimizing maintenance requirements during long-term storage. 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

Image Sensor	Inter-line Type 1/4" CCD Image Sensor
Effec. Picture Element	752 H x 582 V (PAL) 768 H x 494 V (NTSC)
Signal System	NTSC (PAL version available)
Video Output	1.0Vpp, 75 ohms
Scanning System	2 : 1 Interlace
Synchronization System	Internal
Horizontal Resolution	> 430 TVL
Min. Illum. of Subject	4.0 Lux (50 IRE, AGC ON, F1.4)
S/N Ratio	Better than 46dB
Gamma Characteristics	© = 0.45 or 1.0
AGC	On/Off (+26 dB max)
Electronic Iris - Off/On	1/100~1/100,000sec. EIA 1/50 (1/60) to 1/120,000 sec.
Power Supply Voltage	10.8-13.2VDC
Power Consumption	110ma (@12VDC)
Connector	MIL-38999, Ser III
Standard Built-in Lens	f = 3.0mm @ F2.8, D-Mount
Optional Lenses	f1.9mm, f6.0mm, f8mm, f12.0mm, f13mm

Environmental Specifications*

Storage Temperature	46° to +71°
Operating Temperature	-40° to +60°
Weight	380 g
Dimensions	44.89mmH x 85.35mmW x 96.52mmD
Altitude (Norm.Operational)*	Sea Level to 50,000 ft.+
Altitude (Non-Operational)*	-15,000 ft. to 60,000 ft.+
Explosive Atmosphere	Sea Level to 50,000 ft. +
Storage Humidity	95% (50oC) to 85% (38oC)
Operating Humidity	5% to 100% relative humidity (condensing)
Vibration (Operational)	MIL-STD 810C, 514.2 (VIII), 70 hrs
Shock (Operational)	MIL-STD 810C, 516.2 (I), 30g, 3 dir
EMI	MIL-STD-461, Radiated RS02, RS03, 50V/m RE02

*Design Goals

