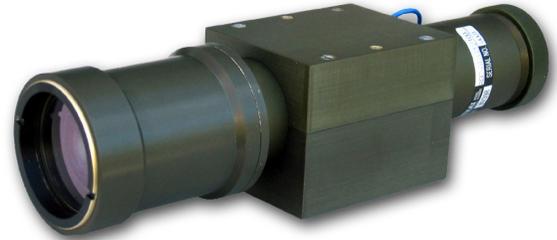


Features

- ⊕ 1/4" High Resolution Color CCD
- ⊕ Environmentally Sealed Protective Housing
- ⊕ Shock and Vibration Resistant
- ⊕ EMI Protected
- ⊕ PAL (NTSC version available)
- ⊕ VBS or Y/C Video Output


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 humidity filter, 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.

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

Specifications

Pick-up Device	1/4" Interline Transfer CCD
Picture Elements	752(H) x 582 (V)
Signal Systems	VBS or Y/C, Selectable
Lens	100mm, F3.5
Horizontal Field of View	2.1°
Sync Systems	Internal/External, HD/VD
Horizontal Resolution	460 TV Lines
Minimum Illumination	1.5 lx (F1.4, AGC: ON)
Sensitivity	2000 lx (F11, AGC: OFF)
Shutter Speed	Up to 1/100,000 sec.
S/N Ratio	46 dB (AGC off)
AGC	On/Off
Power Requirements	10.5-15 VDC, 1.5 W

Versions

NTSC	RSC-BG104E/100
PAL	RSC-BG104PE/100

Specifications are subject to change without notice.

07 April, 2012

*Design goals based upon similar products which have been tested