

RBC-D2E/X.X

Ruggedized Color CCD Camera

Features

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

General Description

The RBC-D2E/X.X camera is a very rugged and compact color CCD video camera (X.X =lens focal length, see below). The camera is well protected inside an environmentally sealed aluminum housing, finished in Lusterless Desert Tan and with a scratch resistant sapphire window. The housing provides complete EMI protection, and can "breathe" through a humidity filter, minimizing maintenance requirements during long term storage.

Environmental Specifications

Storage Temperature	-46° to +71°
Operating Temperature	-40° to +60°
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% (50°C) to 85%
	(38°C)
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

*Estimates based on similar products, which have been tested



NTSC, X.X =Lens FL PAL. X.X=Lens FL



Specifications Image Sensor

Effec. Picture Element752 H x
768 H xSignal SystemNTSC (IVideo Output1.0Vpp,Scanning System2 : 1 InternalSynchronization SystemInternalHorizontal Resolution450 TVMin. Illumumination1.2 Lux
F1.4)

Optional Lenses (X.X) FL1.9mm (all lenses fixed iris, f=2.8) FL3.0mm FL4.0mm

Inter-line Type 1/4" CCD Image Sensor 752 H x 582 V (PAL) 768 H x 494 V (NTSC) NTSC (PAL version available) 1.0Vpp, 75 ohms 2:1 Interlace 450 TV Lines 1.2 Lux (50 IRE, AGC ON, F1.4) Better than 45dB On/Off (+26 dB max) 1/60 (1/50) to 1/120,000 sec. 10.8-13.2VDC 110ma (@12VDC) MIL-38999, Ser III 398 q (14 oz) 73.91 mm (H) 60.96 mm (W) 69.09 mm (D) FL1.9mm Hfov=100.9° Hfov=59.8° Hfov=45.5° FL4.0mm FL6.0mm Hfov=30.4° FL8.0mm Hfov=22.1°

Specifications are subject to change without notice

Hfov=15.7°

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SEKAI Electronics, Inc.

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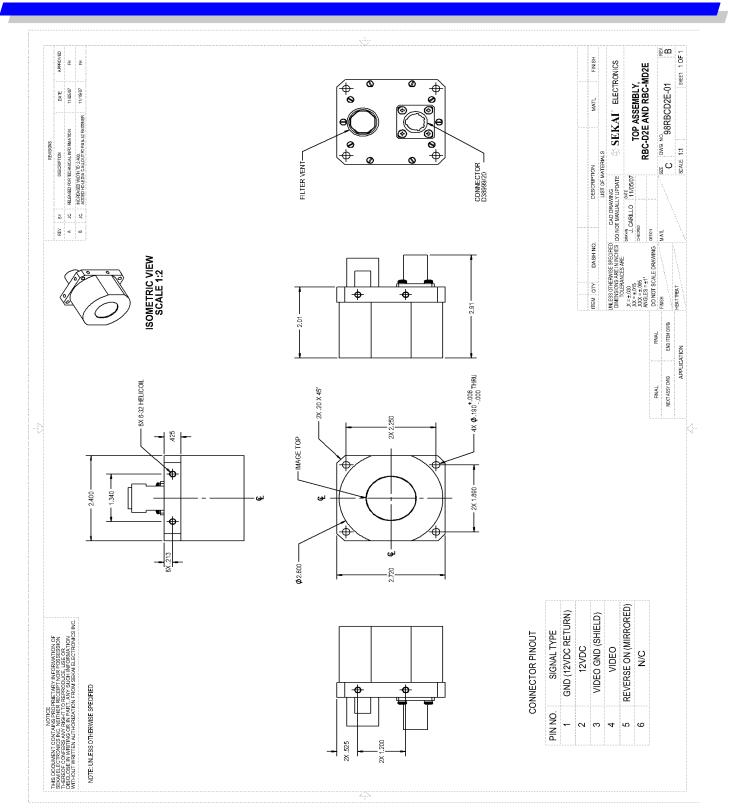
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FL12.0mm



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