

RBC-D3E/X.X

Rugged Color CCD Camera

Features

- 😌 Small and Light Weight
- 1/3" Inter-line type Color CCD Sensor
- Backlight Compensation
- NTSC standard, PAL version available
- 🗳 CCD Iris

- Severse Scan (Mirror) selectable
- Sealed Housing
- Sapphire Window with EMI Protection

General Description

The RBC-D3E/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
	RF02

*Estimates based on similar products, which have been tested

Versions RBC-D3E/X.X RBC-D3PE/X.X

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



Specifications Image Sensor

Effec. Picture Element

Scanning Frequency Signal System

Video Output Scanning System **Horizontal Resolution** Minimum Illumination

S/N Ratio **Gamma Correction** AGC (0 dB to +18 dB) White Balance **BLC Feature Mirror Function** Electronic Shutter (Iris)

Power Supply Voltage Power Consumption Connector Weight Dimensions

Optional Lenses (X.X)

(all lenses fixed iris, f=2.8) FL4.0mm

Inter-line Type 1/3" CCD Image Sensor 752 H x 582 V (PAL) 768 H x 494 V (NTSC) 15.734KHz (H) 59.94Hz (V) NTSC (PAL version available) 1.0Vpp, 75 ohms 2:1 Interlace 450 TV Lines 1.0lx (50 IRE, AGC ON, F1.4) 48 dB or greater v = 0.45ON/OFF ATW/AWB **ON/OFF** selectable ON/OFF selectable 1/60 to 1/120,000 sec. selectable 10.8-13.2VDC 90ma (@12VDC) MIL-38999, Ser III 396 g (14 oz) 73.91 mm (H) 60.96 mm (W) 69.09 mm (D) FL2.3mm Hfov=114.4° Hfov=67.7° FL5.6mm Hfov=46.5° FL8.0mm Hfov=31.6° FL16.0mm Hfov=15.3°

Specifications are subject to change without notice.

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Hfov=9.6°

SEKAI Electronics, Inc.

www.sekai-electronics.com

(VIII),

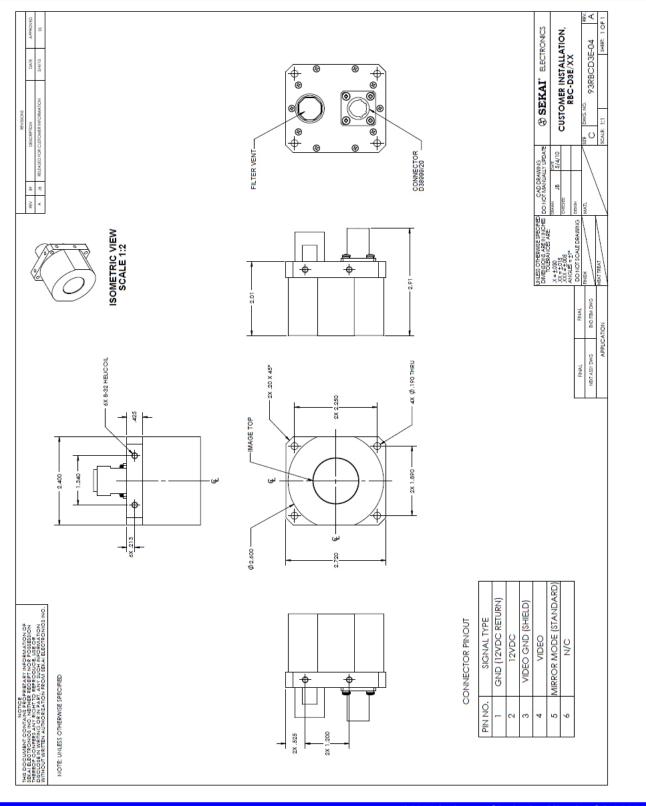
14600 Industry Circle, La Mirada, CA 90638 Tel: (714) 736 4180 Fax: (714) 736 4181

FL25.0mm



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