

## **RSC-BH183** Ruggedized HUD Camera

#### Features

- 🗳 Camera for Head Up Display, and Pilot's **View Applications**
- 😂 Adjustable Field of View
- Defective Pixel Correction
- Sompact Size, Minimal Obstruction
- Shock Resistant Iris System
- 😌 Fully Integrated Camera, No External EU

#### **General Description**

The RSC-BH183 is a ruggedized high resolution color CCD camera including a compact variable field of view lens with motorized iris. The camera is specifically developed for harsh environments and applications where an optimal field of view is required. The motorized iris lens with ND-spot filter adjusts automatically for changing light conditions providing a great dynamic range.

### **Technical Specifications**

Signal System: Pick-up Device:

**Picture Elements:** 

Sensitivity:

Aperture:

Shutter:

AGC:

S/N Ratio:

Field of View:

Sync System:

Horizontal Resolution:

Focal Length Range:

NTSC (Y/C) PAL optional; RSC-BH183P 1/3" Super HAD II CCD 752(H) x 582(V) 470 TV Lines 1.5lux @ F1.4 (AGC On) 6-18mm 43° x 34° to 15° x 12° (H x V) f/2.8 to f/128 (incl. ND-spot) Internal/External, HD/VD Fixed 1/50 Better than 46 dB On / Off (selectable)

#### **Field of View Range**

	Wide		Narrow
Focal Length	6 mm	$\rightarrow$	18 mm
H FoV	43°	$\rightarrow$	15°
V FoV	34°	$\rightarrow$	12°



### **Environmental Specifications\***

Test Standard:

Storage Temperature **Operating Temperature** Temperature Variation Altitude (Operating) Humidity Shock (Operational) Shock (Crash Safety) Vibration (Performance) Explosive Atmosphere Fungus Resistance Magnetic Effect Power Input Voltage Spike Audio Frequencies Induced Susceptibility **RF** Susceptibility **RF** Emissions ESD

RTCA DO-160F applicable limits, procedures & categories: -55°C to +85°C (4.5.1, 4.5.3, B1) -40°C to +70°C (4.5.2,4.5.4, B1) -55°C to +85°C, 5°C/min (5.3.1, B) 25,000 ft (4.6.1, B) 95% RH >65°C, 2 cycles (6.3.2, A) 6 g's @ 11ms (6.3.2, B) 20 g's @ 11ms (7.3, B) Curve F (3.34 Grms), 1 Hr (8.8.3, S) +85°C, 9.4.2, E Analysis, Materials List, 13.5, F +1° Deviation @ 1m, 15.3, A Normal 16.6.1, A – Abnormal 16.6.2, A +56V, 17.4, B 10 - 150kHz, 18.3.1, R 19.3.1~19.3.4, ZC 20.4, Y & 20.5, Y 21.4. L & 21.5, L 15KV, 10 pulses, +polarity, 25.5, A

\* Target values / tests, not yet tested. Consult with Sekai for the latest status. Specifications are subject to change without notice.

> Specifications are subject to change without notice 19 May, 2012

Export of this product outside the United States of America without prior written authorization from the US Department of State is strictly prohibited.

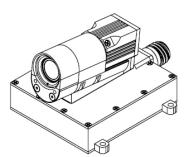
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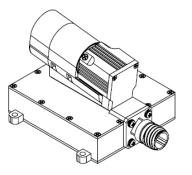
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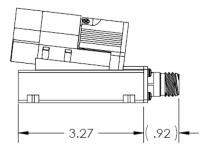
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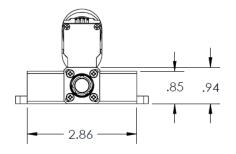


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