

Features

- Camera for Head Up Display, and Pilot's View Applications
- Adjustable Field of View
- Defective Pixel Correction
- Compact Size, Minimal Obstruction
- Vibration & Shock Resistant Iris System
- Remote Head, Round Cable


General Description

The RSC-BH313-XX is a ruggedized high resolution remote head color CCD HUD camera including a compact variable field of view lens with motorized iris (XX=length of round cable connecting remote head to EU, in feet). 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:	NTSC (Y/C) PAL optional; RSC-BH313P-XX
Pick-up Device:	1/3" Super HAD II CCD
Picture Elements:	752(H) x 582(V)
Horizontal Resolution:	470 TV Lines
Minimum Illumination:	1.5lux @ F1.4 AGC: max (18dB)
Sensitivity:	2000 lux @ F11 AGC: OFF (0dB)
Focal Length Range:	6-18mm
Field of View:	43° x 34° to 15° x 12° (H x V)
Aperture:	f/2.8 to f/128 (incl. ND-spot)
Sync System:	Internal/External, HD/VD
Shutter:	Fixed 1/50
S/N Ratio:	Better than 46 dB
AGC:	On / Off (selectable)

Field of View Range

	Wide		Narrow
Focal Length	6 mm	→	18 mm
H FoV	43°	→	15°
V FoV	34°	→	12°

Environmental Specifications

Military Standard:	MIL-STD-810G:
Storage Temperature	-54°C to +85°C (Const & Cycling)
Operating Temperature	-40°C to +55°C startup & continuous
Operating Temperature	-54°C after startup at -40°C
Altitude (Operational)	Sea Level to 60,000 ft
Altitude (Decompression)	8,000 to 40,000 ft, 15 sec**
Humidity (Aggravated)	95% (60°C) to 85% (30°C)
Humidity (Operating)	5% to 95% Relative Humidity (RH) at 30°C (non-condensing)
Explosive Atmosphere	Sea Level & 40,000 ft , +55°C
Vibration (Operational)	Jet Aircraft, 14.2 G's RMS Random 15-2000Hz Helicopter, sine on random UH-60 type profile
Acceleration (Operational)	40 G's Forward, 20 G's in other axes
Shock (Operational)	40 G's, 15-23ms SRS Shock 3 shocks each direction
EMI	MIL-STD-461F Radiated Emissions (RE102) Fixed Wing and Helicopter

** Target values this test only. All other tests completed and passed. Consult with Sekai for the latest status / reports.

Specifications are subject to change without notice.

29 Dec, 2012

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

