

### Features

- Camera For Head Up Display Applications
- Adjustable Field of View
- Compact Size, Minimal Obstruction
- Vibration and Shock Resistant Iris System
- Fully integrated camera, no external EU

### General Description

The RSC-A184 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	NTSC (Y/C Selectable) PAL optional RSC-184PS
Pick-up Device	Interline Trans. Hyper HAD CCD
Picture Elements	768(H) x 494(V)
Horizontal Resolution	470 TV Lines
Sensitivity	3Lux @ F1.2, (AGC on)
Focal Length Range:	6-18mm
Field of View for 1/2" Format:	56° x 43° to 20° x 15° (H x V)
Aperture:	f/2.8 to f/128 (incl. ND-spot)
Sync System	Internal/External, HD/VD
Shutter	fixed 1/60 or 1/50
S/N Ratio	Better than 48 dB
Gamma	0.45 / 1
AGC	On / Off

#### Field of View Range

	Wide		Narrow
Fl.	6 mm	→	18 mm
H FoV	56°	→	20°
V FoV	43°	→	15°

### Environmental Specifications

Storage Temperature	-55°C to +80°C
Operating Temperature	-40°C to +65°C (+80° for 30 min.)
Altitude (Operational)	Sea level to 60,000 ft+
Altitude (Non -operational)	-15,000 ft to 60,000 ft+
Altitude (Decompression)	23,000 ft to 43,000 ft, 15 sec
Storage Humidity	95% (50°C) to 85% (38°C)
Operating Humidity	5% to 90% relative humidity (non condensing)
Vibration (Operational)	7G's RMS Random 15-2,000Hz
Acceleration (Operational)	12G's in all axes
Shock (Operational)	9G's, 11ms half-sine, 3 shocks each direction. 20G's 11ms half-sine, 1 shock each direction
EMI	MIL-STD-461, RE02

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