

Features

- **Motorized Zoom Lens (8, 12, and 24*)**
(*effective zoom range with 2:1 Digital Zoom)
- **Digital Image Stabilization (RSC-2400)**
- **High sensitivity complementary color CCD**
- **NTSC or PAL, Composite and Y/C Video Outputs**
- **27 Shutter Speeds to 1/10,000 sec.**
- **Auto Iris**
- **Remote Control of all Functions**
- **Miniature Size**

General Description

The RSC-800, RSC-1200 and RSC-2400 are unique cameras, with built-in motorized zoom lenses; the RSC-2400 featuring 2:1 Digital Zoom, and Digital Image Stabilization. This zoom camera model range offers outstanding color fidelity and full, broad-band response for many video applications. These cameras are excellent in applications such as machine vision, object recognition, medical research, process monitoring, airborne imaging and remote observation. Low light sensitivity ranges from 6 lux at F1.4 to 7 lux at F 1.8 thanks to it's 1/3" CCD hyper HAD Imager. These cameras offer many standard features in a compact package including: 8 to 1, to 24 to 1 Zoom capability (depending on model) with Auto Focus, Composite and Y/C output, high speed shutter (up to 1/10,000); Full RS-232 remote control (optional) and simple discrete controls (Zoom, Focus, AF on/off). RS-232 controls include Zoom, Focus, Exposure modes, White Balance modes, Iris, Gain, etc. Positions of all settings are readable by the interface. Expanded discrete control system also available; inquire. Digital Signal Processing for higher reliability.

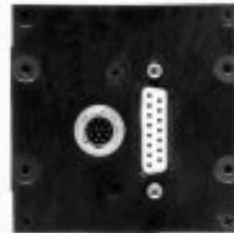
For operation with MIL-STD-704 power sources, optional power inputs are available. Specify RSC-800V, RSC-1200V, RSC-2400V for camera with RS-232 interface.

Video Specifications

Pick-up Device	Interline Transfer Hyper HAD CCD 1/3"
Picture Elements	768(H) x 494 (V)
Signal Systems	Composite and Y/C, simultaneously
Lens (Built-in)	RSC-800 Motorized Zoom, 5.9mm to 47.2mm, F1.4
	RSC-1200 Motorized Zoom, 5.4mm to 64.8mm, F1.8
	RSC-2400 Motorized Zoom, 5.4mm to 129.6mm, F1.8
Sync System	Internal
Horizontal Resolution	More than 460 Horizontal TV Lines (RSC-800/1200)
Minimum Sensitivity	7 Lux, F1.8 (AGC on, 50 IRE signal)
Shutter Speed	27 speeds to 1/10,000 second
S/N Ratio	Better than 48 dB
AGC	On/Off/Setable Fixed
Power Requirements	10-36 VDC, 3 watts standard



RSC-800 Shown



Rear View

Rear Panel uses a Hirose 12 pin connector for Power in, Video Out and a 15 or 26 pin Mini-Sub-D for discrete and Serial Control.

	RSC-800	RSC-1200	RSC-2400
Horiz. ∠ of View (°):	44.3 - 5.8	48.8 - 4.4	41.4 - 3.7
Vert. ∠ of View (°):	34.9 - 4.4	37.6 - 3.3	31.7 - 2.8
Weight:	20.5 oz.	24 oz.	24 oz.
Height:	2.5"	2.5"	2.5"
Width:	2.5"	2.5"	2.5"
Length:	4.2"	5.5"	5.5"

Environmental Specification

Storage Temperature	-30°C to +65°C
Operating Temperature	-10°C to +60°C (+65°C for 30 min.)
Altitude (Norm.Operational)	Sea Level to 60,000 ft.+
Explosive Atmosphere	MIL-STD-810E
Storage Humidity	90% (50°C) to 85% (38°C)
Operating Humidity	10% to 90% relative humidity (non-condensing)
Vibration (Operational)	5G's RMS Random 15-2000Hz
Acceleration (Operational)	9 G's in all axes
Shock (Operational)	10 G's, 11ms half-sine, 3 shocks each direction

Specifications subject to change without notice.

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