

### Features

- ⊕ Sensor and Built-In Zoom Lens
- ⊕ Compact and Lightweight
- ⊕ Composite Video and Y/C
- ⊕ Field Memory and Slow Shutter
- ⊕ Manual/Auto Focus Controls
- ⊕ Presets
- ⊕ Mirror Image
- ⊕ Local or Remote Keypad
- ⊕ Serial Interface

### General Description

The RSC-1000 Series cameras incorporate a 1/4" Super HAD CCD sensor and built-in 10X optical and 4X digital zoom lens, resulting in 40X zoom capability.

Compact and lightweight the RSC-1000 Series cameras are housed in an aluminum enclosure measuring 2.0" H x 2.0" W x 3.826" D and weighing less than 150g.

Both NTSC composite video and Y/C video formats are available simultaneously, eliminating the need for selection of one or the other.

A built-in field memory (i.e. field store) and low shutter speed (1/4 second) provide for long term exposure, ideal for viewing low rep rate events.

Manual or auto focus can be selected via keypad or remote controls. Up to six camera settings can be saved and recalled.

Mirror image with positive or negative image capability available.

Configurations include the use of local (RSC-1000K) or remote (RSC-1000KR) keypad for control of camera functions.

Camera settings and control can be performed remotely from a host computer via the standard RS-232 or TTL level serial interface (specified at time of ordering).



RSC-1000K

### TECHNICAL SPECIFICATIONS

#### Video Specifications

Image Sensor:	1/4" Type IT CCD
Picture Elements:	768(H) x 494(V) (NTSC); 752(H) x 582(V) (PAL)
Horizontal Resolution:	470 TVL
Lens:	10X Optical Zoom, f = 4.2mm-42mm (F1.9-F2.9)
Digital Zoom:	4X (40X including Optical Zoom)
Horizontal Angle of View:	~46° (Wide End) to 4.6° (Tele End)
Minimum Object Distance:	10mm (Wide End) to 1000mm (Tele End)
Sensitivity:	6.0 lx (F1.9, normal shutter speed) min.
S/N Ratio:	> 50 dB
Electronic Shutter:	1/4 second to 1/10,000 second
Back Light Compensation:	On/Off (selectable)
White Balance:	Auto, ATW, Indoor, Outdoor, One Push WB, Manual WB
Gain:	Auto/Manual -3 dB to 18 dB, 3 dB steps
AE Control:	Auto, Manual, Priority, Bright, EV Compensation, Compensation
Back Light:	Internal
Sync System:	Internal
Battery Back-Up:	~ 6 months (fully charged)
Video Output:	Composite Video (1.0 Vp-p, neg. sync), Y/C; PAL

#### Environmental Specifications

Storage Temperature:	-55°C to 80°C
Storage Humidity:	5% to 95% RH, non-condensing
Operating Temperature:	-40°C to 70°C
Operating Humidity:	5% to 95% RH, non-condensing
Altitude:	-15,000 to 60,000 ft
Vibration (Non-Operational):	3 G's RMS Random, 5Hz to 2,000Hz, All Axis
Vibration (Operational):	1 G RMS Random, 15Hz to 2,000Hz, All Axis
Shock (Non-Operational):	3 G's, 30 msec, half-sine, six shocks each direction
Acceleration:	5 G's, All Axis
Dimensions:	2.0"H x 2.0"W x 3.826"D
Weight:	< 150 g
Power:	12VDC, 2.8W typical (230 mA)

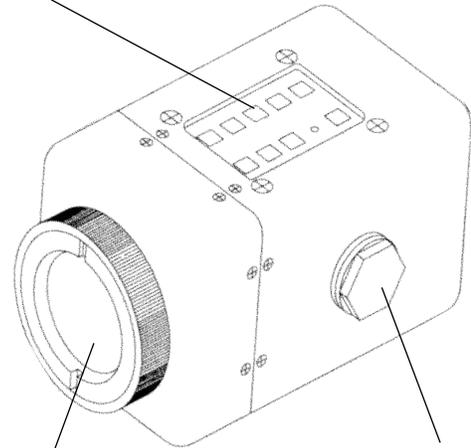
Environmental specifications are design goals.

Specifications subject to change without notice.

SE-119 2/02

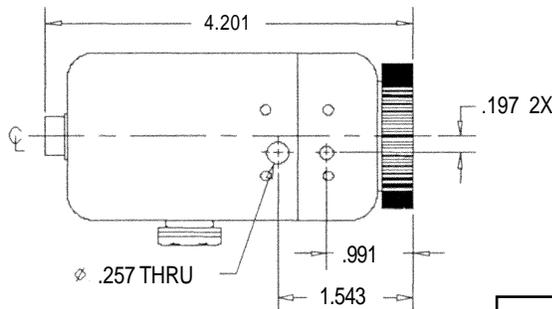
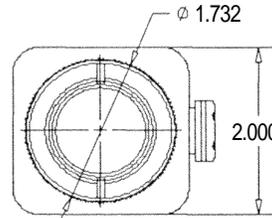
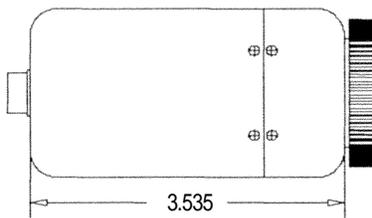
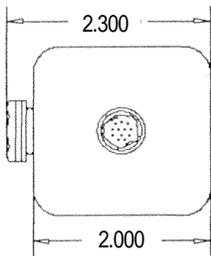
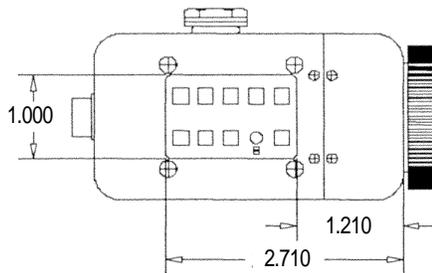
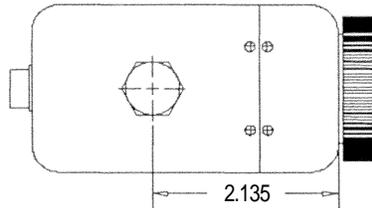


KEYPAD CONTROLS



GORETEX HUMIDITY FILTER

ZOOM LENS/WINDOW



Dimensions are in inches and angles.

<b>SEKAI® Electronics, Inc.</b> 13570 Larwin Circle, Santa Fe Springs, CA 90670 Tel: (562) 921-7775 • Fax: (562) 921- 7875		
Date: 02/01/02	Approved by: TD	Drawn By: D. W.
Tolerances are: .XX - ±.030 .XXX - ±.005 ANGLES - ±1°	<b>RSC-1000 Top Assembly</b>	
		Drw. No.: 98RSC1000-08