

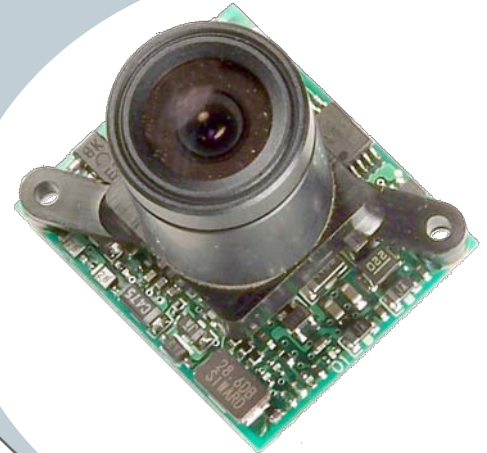
1/4" Standard Resolution Color Board Camera

RHPC-1000

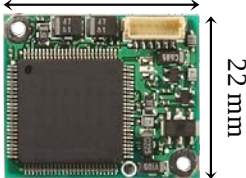
1/4" Color CCD
22x26mm Single Board
Extremely Compact
5Volt DC Operation
Low Smear
Parameters Controllable via PC Software*

Electronic Shutter	— Backlight Compensation
Gain Control	— Mirror Effect
White Balance	— Negative / Positive Image
Color Balance	— Monochrome (B&W) Mode

*PC Interface Required (RHPC-I2C with Software)

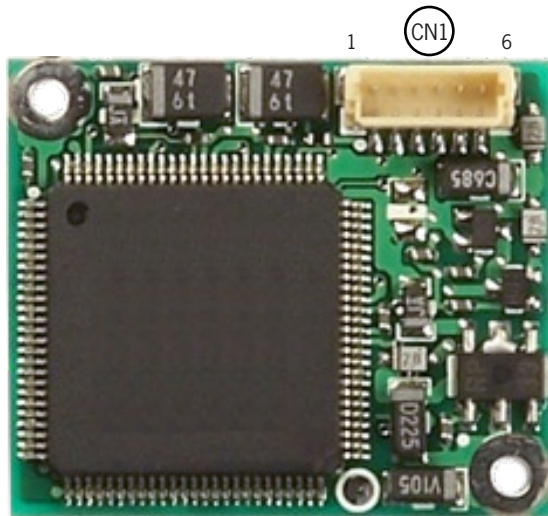
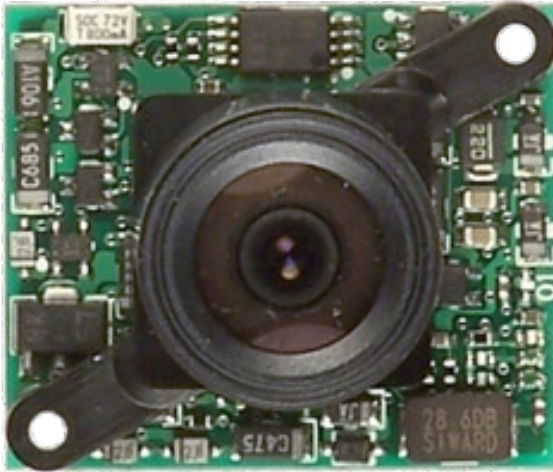


RHPC-1000 (NTSC)
RHPC-1005 (PAL)

Specifications	RHPC-1000 (NTSC)		RHPC-1005 (PAL)	Dimensions 22x26mm
Image Sensor	1/4" Inter-line Type CCD Image Sensor / SONY			* ACTUAL SIZE 
Scanning System	2 : 1 Interlace			
Total Number of Pixels	537 (H) x 505 (W)		537 (H) x 596 (W)	
Effective Picture Elements	510 (H) x 492 (W) Approx. 370k Pixels		500 (H) x 482 (W) Approx 440k Pixels	
Lens - Standard	Fixed Iris Mini-Lens 3.0mm, F2.8 - Other Lens Options Available			
Synchronization	Internal			
External Synchronization	N/A			
Video Output	Composite / 1 Vp-p 75 Ω			
Horizontal Resolution	More than 350 Lines (at center of screen)			
Min. Illumination	Less than 3.4 Lux (Video Output 50%, AGC ON, Standard Lens)			
S/N Ratio	Better than 45 dB (at AGC OFF)			
Electronic Iris (Auto)	1/60 ~ 1/100,000 Sec.		1/50 ~ 1/100,000 Sec.	26 mm  22 mm
Electronic Iris (Manual)	Full Range Selectable Via Software			
Electronic Shutter	Auto, FL (Flickerless) & Fixed 1/60 ~ 1/10,000 Selectable Via Software			
Horizontal Drive Freq.	15.734 kHz (NTSC)			
Vertical Drive Freq.	59.94 Hz (NTSC)			
Gamma Characteristics	0.45			
ATW (Auto. White Balance)	Auto, Manual & ATW (Auto Tracing White) Selectable Via Software			
AGC (Auto. Gain Control)	Auto (AGC), ON/OFF & Manual Selectable Via Software			
BLC (Back Light Comp.)	Area & Level Setting Selectable Via Software			
Auto Iris lens Output	Video Type			
Power Requirements	DC +5V +/- 10%			* Actual photo size may vary depending on print scaling ** Specifications and availability of products are subject to change without notice
Current Consumption	Max. 160 mA			
Storage Temp. Humidity	-20°C ~ +60°C - Max. 90% (No Condensation)			
Operating Temp. Humidity	-5°C ~ +45°C - Max. 80% (No Condensation)			
Dimensions	22(W) x 26(L)			
Weight	Approx. 5g without lens			

REV: D

RHPC-1000 - Connections



CN1 - Function Connector (#BM06B-SRSS-TB)

- CN1-1 - Power Input +5Volts DC
- CN1-2 - Power Ground (Common)
- CN1-3 - Video Output
- CN1-4 - Video Ground (Common)
- CN1-5 - I²C* - SCL = CLOCK
- CN1-6 - I²C* - SDA = DATA

*PC Interface Required (RHPC-I2C with Software)