

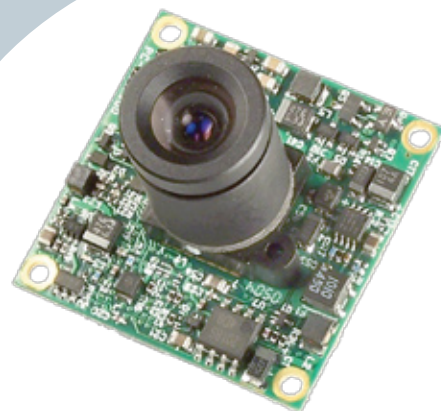
1/4" Standard Resolution Color Board Camera

RHPC-700

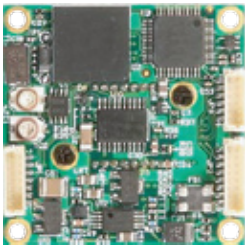
1/4" Color CCD
32x32mm Single Board
Internal or External Synchronization
12Volt DC Operation
Low Smear
Parameters Controllable via PC Software

— Mirror Image	— Edge Enhancement
— Negative / Positive Image	— White Balance
— Gain Control	— Croma
— Fixed Shutter Speed	— Aperture

* PC Interface Required (RHPC-23XREM with Software)

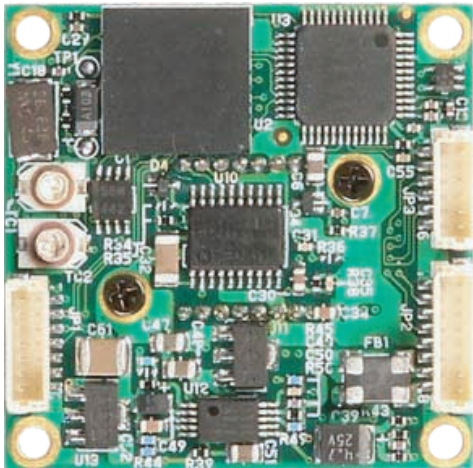


RHPC-700 (NTSC)
RHPC-705 (PAL)

Specifications	RHPC-700 (NTSC)		RHPC-705 (PAL)	Dimensions 32x32mm
Image Sensor	1/4" Inter-line Type CCD Image Sensor / SONY			* ACTUAL SIZE  32 mm  32 mm * Actual photo size may vary depending on print scaling ** Specifications and availability of products are subject to change without notice
Scanning System	2 : 1 Interlace			
Total Number of Pixels	537 (H) x 505 (V)		537 (H) x 596 (V)	
Effective Pixel Elements	510 (H) x 492 (V) Approx. 370k Pixels		500 (H) x 582 (V) Approx. 440k Pixels	
Lens - Standard	Fixed Iris Mini-Lens 3.0mm, F2.8 - Other Lens Options Available			
Synchronization	Internal / External Video Drive or Line Lock			
Ext. Sync	Video Drive or Line Lock			
Video Output	Composite / 1 Vp-p 75 Ω			
Horizontal Resolution	More than 350 Lines		More than 350 Lines	
Min. Illumination	1.1 Lux (Video Output 50%, AGC ON, F2.8)			
S/N Ratio	45 dB or better			
Electronic Iris (Auto)	1/60 ~ 1/120,000 Sec.		1/50 ~ 1/120,000 Sec.	
Electronic Iris (Manual)	Selectable Via Software			
Electronic Shutter	Auto or Flickerless Selectable Via Contacts			
Horizontal Drive Freq.	15.734 kHz (NTSC)			
Vertical Drive Freq.	59.94 Hz (NTSC)			
Gamma Characteristics	0.45			
AWB (Auto White Balance)	Auto or Fixed Via Contacts & Fully Adjustable Via Software			
AGC (Auto Gain Control)	ON/OFF Selectable Via Contacts & Manual Control Via Software			
BLC (Back Light Comp.)	Full Screen or Center Via Contacts			
Auto Iris lens Output	Video Type			
Power Requirements	DC 12Volts +/- 1Volt			
Current Consumption	Max 110 mA (at DC 12Volts)			
Storage Temp. Humidity	-20°C ~ +60°C - Max. 90% (No Condensation)			
Operating Temp. Humidity	-5°C ~ +45°C - Max. 80% (No Condensation)			
Dimensions	32 (W) x 32 (L) x 24.2 (H) mm			
Weight	Approx. 20g			

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RHPC-700 - Connections



- CN1** - Function Connector (#BM07B-SRSS-TB)
- CN1-1 - GND
 - CN1-2 - MIRROR (OPEN: Normal, GND: Mirror)
 - CN1-3 - Flicker Less (OPEN: 1/60 Sec., GND: 1/100 Sec.)
 - CN1-4 - E/E (OPEN: E/E ON, GND: OFF)
 - CN1-5 - ATW (OPEN: AUTO, GND: FIX)
 - CN1-6 - AGC (OPEN: ON, GND: OFF)
 - CN1-7 - BLC (OPEN: OFF - Full Screen, GND: ON - Center)

- CN2** - I/O Connector (#BM08B-SRSS-TB)
- CN2-1 - GND
 - CN2-2 - VD/(L/L Pulse) IN (59.94 +/- 1Hz)
 - CN2-3 - GND
 - CN2-4 - Video IRIS Output (When E/E is Set OFF Only)
 - CN2-5 - GND
 - CN2-6 - Video Out
 - CN2-7 - GND
 - CN2-8 - +12Volt In

- CN3** - Communication Connector (#BM06B-SRSS-TB) *Special Connector Required
- CN3-1 - GND
 - CN3-2 - SCK
 - CN3-3 - STB
 - CN3-4 - SDI
 - CN3-5 - SDO
 - CN3-6 - +3.3Volt Output