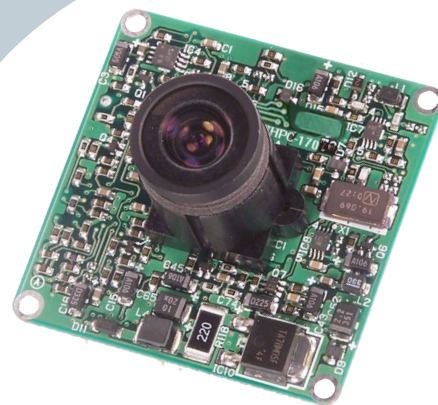


1/3" Standard Resolution Monochrome Board Camera

RHPC-170A

1/3" Monochrome Super HAD CCD
42x42mm Single Board Camera
Internal or External Synchronization
12Volt DC Operation
Low Smear
Parameters Controllable via Jumpers & Contacts

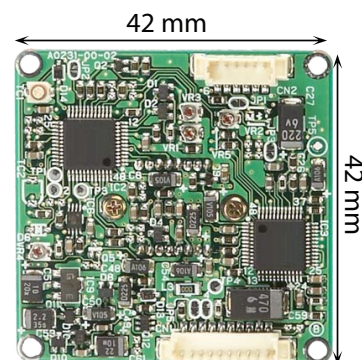
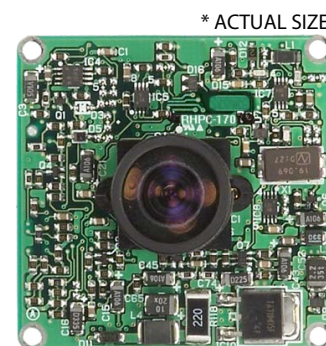
Backlight Compensation - Full Screen or Center
Electronic Iris - Auto or OFF
Automatic Gain Control - ON or OFF



RHPC-170A (EIA)
RHPC-175A (CCIR)

Specifications	RHPC-170A (EIA)	RHPC-170A (CCIR)
Image Sensor	1/3" Inter-line Type CCD Image Sensor / SONY Super HAD CCD	
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 482 (V) Approx. 250k Pixels	500 (H) x 582 (V) Approx. 290k Pixels
Lens - Standard	Fixed Iris Mini-Lens 3.6mm, F5 - Other Lens Options Available	
Synchronization	Internal / External Video Drive or Line Lock	
External Synchronization	Video Drive or Line Lock	
Video Output	Composite / 1 Vp-p 75 Ω	
Horizontal Resolution	More than 380 Lines	More than 380 Lines
Min. Illumination	0.2 Lux (Video Output 50%, AGC ON, F1.4)	
S/N Ratio	46 dB or better	
Electronic Iris (Auto)	1/60 ~ 1/100,000 Sec. or Fixed at 1/60 Sec. Via Contacts or Jumper	1/50 ~ 1/100,000 Sec. or Fixed at 1/50 Sec. Via Contacts or Jumper
Electronic Shutter	N/A	
Horizontal Drive Freq.	15.734 kHz (NTSC)	
Vertical Drive Freq.	59.94 Hz (NTSC)	
Gamma Characteristics	0.45	
AGC (Auto Gain Control)	ON or OFF Selectable Via Jumper	
BLC (Back Light Comp.)	Full Screen or Center Selectable via Contacts or Jumper	
Auto Iris lens Output	DC & Video Type	
Power Requirements	DC 12Volts +/- 1Volt	
Current Consumption	Max 120 mA (at DC 12Volts)	
Storage Temp. Humidity	-20°C ~ +60°C - Max. 90% (No Condensation)	
Operating Temp. Humidity	-5°C ~ +40°C - Max. 80% (No Condensation)	
Dimensions	42 (W) x 42 (L) x 21.5 (H) mm	
Weight	Approx. 16g	

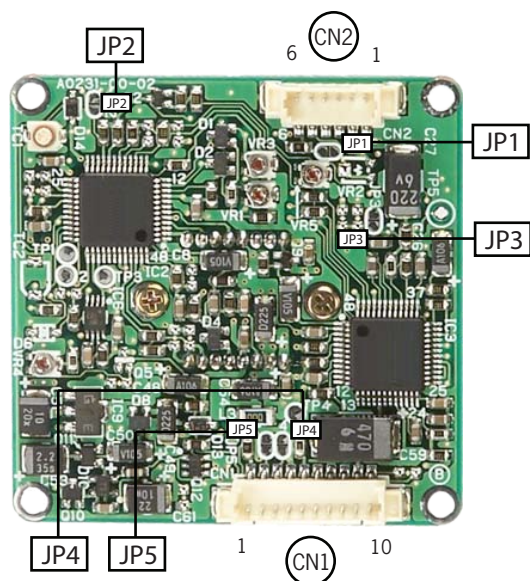
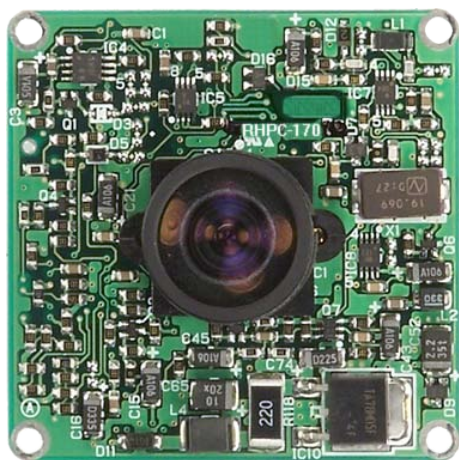
Dimensions 42x42mm



* Actual photo size may vary depending on print scaling

** Specifications and availability of products are subject to change without notice

RHPC-170A - Connections



CN1 - I/O Connector (#53398-1010 (molex))

- CN1-1 - N.C
- CN1-2 - BLC ON/OFF (OPEN: OFF=FULL, GND: ON=CENTER)
- CN1-3 - E/E ON/OFF (OPEN: ON, GND: OFF)
- CN1-4 - GND
- CN1-5 - VIDEO OUTPUT
- CN1-6 - VIDEO IRIS OUTPUT
- CN1-7 - GND
- CN1-8 - DC +12Volt Input
- CN1-9 - EXT. SYNC INPUT (V.S.)
- CN1-10 - N.C

CN2 - DC IRIS Connector (#53398-0610 (molex))

- CN2-1 - DRIVE+
- CN2-2 - DRIVE-
- CN2-3 - DUMP-
- CN2-4 - DUMP+
- CN2-5 - VR(a) *E/E Adjust Volume for DC Iris Lens (100k Ω)
- CN2-6 - VR(b)

JP - Jumper

- JP1 - N.A
- JP2 - N.A
- JP3 - AGC ON/OFF
- JP4 - E/E ON/OFF
- JP5 - BLC ON/OFF