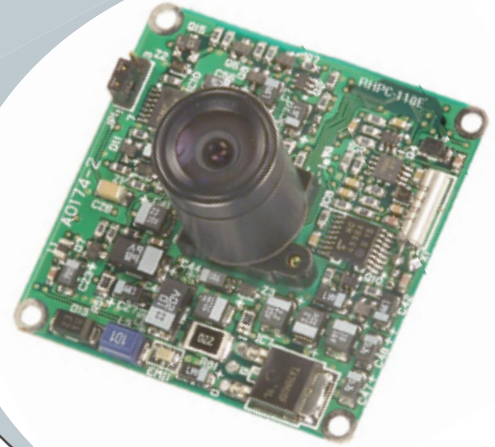


1/4" Standard Resolution Monochrome Board Camera

RHPC-110E

- 1/4" Monochrome *Super HAD* CCD
- 42x42mm Single Board Camera
- Internal or External Synchronization
- 12Volt DC Operation
- Low Smear
- Parameters Controllable On PC Board
- Backlight Compensation - Full Screen or Center
- Electronic Iris - Auto or OFF
- Automatic Gain Control - ON or MANUAL

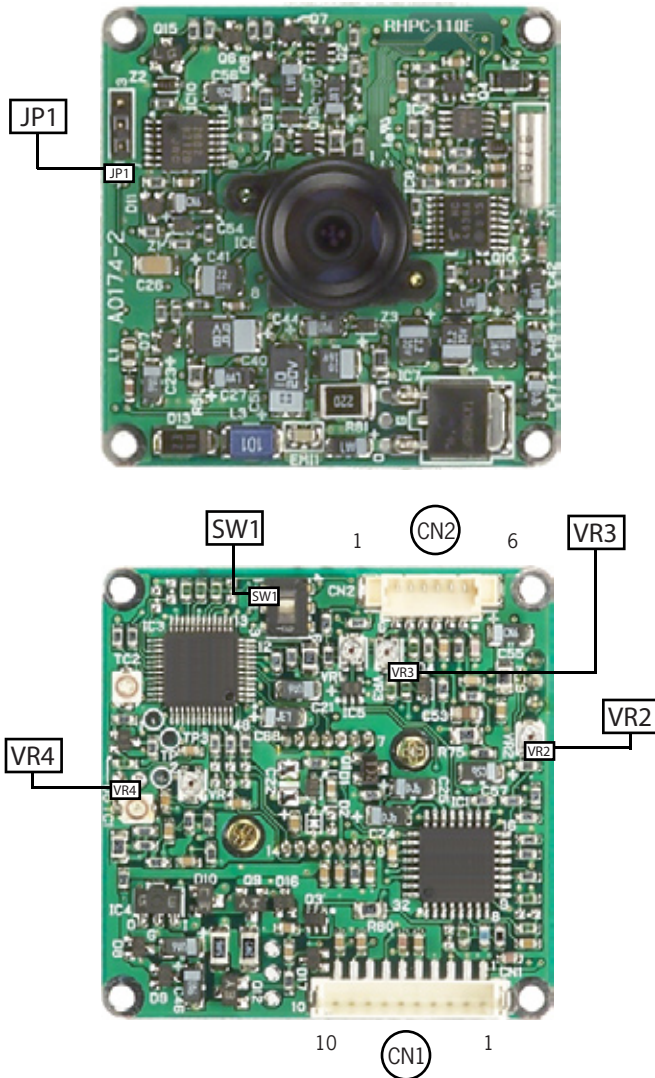


RHPC-110E (EIA)
RHPC-115E (CCIR)

Specifications	RHPC-110E (EIA)		RHPC-115E (CCIR)	Dimensions 42x42mm
Image Sensor	1/4" Inter-line Type CCD Image Sensory / SONY Super HAD CCD			* ACTUAL SIZE  42 mm  42 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 (W)		537 (H) x 505 (W)	
Effective Pixel Elements	510 (H) x 492 (W) Approx. 250k Pixels		510 (H) x 492 (W) Approx. 250k Pixels	
Lens - Standard	Fixed Iris Mini-Lens 3.0mm, F2.8 - Other Lens Options Available			
Synchronization	Internal or External Selectable Via Switch			
External Synchronization	Video Drive or Line Lock			
Video Output	Composite / 1 Vp-p 75 Ω			
Horizontal Resolution	More than 380 Lines			
Min. Illumination	Less than 0.5 Lux (Video Output 50%, AGC ON, F1.2)			
S/N Ratio	Better than 45 dB			
Electronic Iris (Auto)	1/60 ~ 1/100,000 Sec. or Fixed at 1/60 Sec. Via Contacts		1/50 ~ 1/100,000 Sec. or Fixed at 1/50 Sec. Via Contacts	
Electronic Shutter	N/A			
Horizontal Drive Freq.	15.734 kHz			
Vertical Drive Freq.	59.94 Hz			
Gamma Characteristics	0.45			
AGC (Auto Gain Control)	Automatic or Manual Selectable Via Jumper			
BLC (Back Light Comp.)	Full Screen or Center Selectable via Contacts			
Auto Iris lens Output	DC & Video Type			
Power Requirements	DC 12V +/- 10%			
Current Consumption	Max. 150 mA (at DC 12Volts)			
Storage Temp. Humidity	-5°C ~ +40°C - Max. 95% (No Condensation)			
Operating Temp. Humidity	-20°C ~ +60°C - Max. 95% (No Condensation)			
Dimensions	42(W) x 42(L) x 22.5(H)			
Weight	Approx. 15g			

REV: C

RHPC-110E - Connections



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

CN1-1 - L/L Signal IN	Green
CN1-2 - GND	Black
CN1-3 - Ext. SYNCH IN	Blue
CN1-4 - GND	Black
CN1-5 - DC +12V IN	Red
CN1-6 - IRIS OUT	Yellow
CN1-7 - VIDEO OUT	White
CN1-8 - GND	Black
CN1-9 - E/E Mode	Orange
CN1-10 - BLC	Gray

CN2 - 6 PIN MOLEX

CN2-1 - Drive +	Yellow
CN2-2 - Drive -	Orange
CN2-3 - Dump -	Brown
CN2-4 - Dump +	Red
CN2-5 - VR a	Gray
CN2-6 - VR b	Gray

JP1 - AGC / Manual Gain

SW1 - L/L SYNC

VR2 - Manual Gain

VR3 - DC Iris Lens Level Adjustment

VR4 - Ext. SYNC Phase Adjustment