

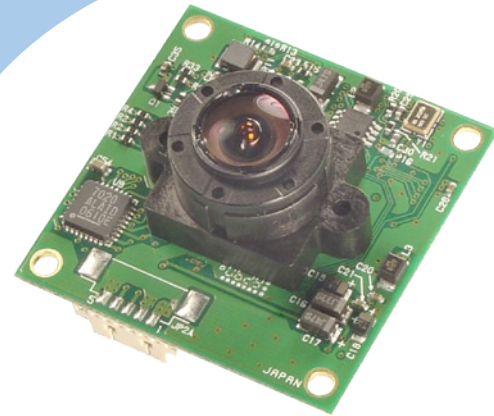
RHPQ-710

1/4" Monochrome Board Camera
Standard Resolution

1/4" Monochrome CCD
32 x 32mm Single Board Camera
Clear Picture Controlled by DSP
Low Noise
5Volt DC to 14 Volt DC Operation
Optional Connector Positions Available

350 TV Lines

5-14V DC

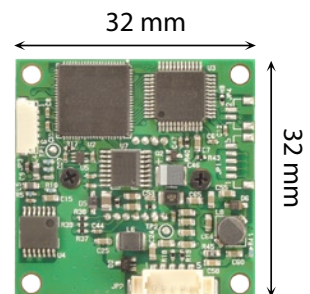
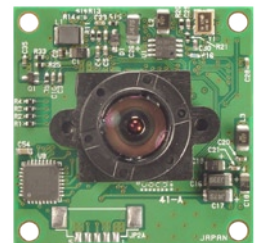


RHPQ-710E (EIA)
RHPQ-710C (CCIR)

Specifications	RHPQ-710E (EIA)	RHPQ-710C (CCIR)
Image Sensor	1/4" Inter-line Type CCD Image Sensor / SONY (ICX226AL NTSC - ICX227AL PAL)	
Scanning System	2 : 1 Interlace	
Total Number of Pixels	537 (H) x 505 (V)	537 (H) x 597 (V)
Effective Pixel Elements	510 (H) x 492 (V) Approx. 250k Pixels	500 (H) x 582 (V) Approx. 290k Pixels
Synchronization	Internal	
Video Output	Composite / 1 Vp-p 75 Ω	
Horizontal Resolution	More than 350 TV Lines	More than 350 TV Lines
Min. Illumination	0.2 lux at F1.4	
Lens Options	* 2.7mm/F2.4 (Aspherical) - 0.3 lux at F2.4	
	* 3.0mm/F2.8 (Micro Lens) - 0.5 lux at F2.8	
	* 3.7mm/F4.4 or 3.2mm/F4.2 (Pin Hole) - 1.2 lux at F4.5	
S/N Ratio	45 dB or better	
Electronic Iris (Auto)	1/60 ~ 1/120,000 Sec.	1/50 ~ 1/120,000 Sec.
Horizontal Drive Freq.	15.734 kHz	15.625 kHz
Vertical Drive Freq.	59.94 Hz	50.00 Hz
Gamma	0.45	
AGC (Auto Gain Control)	+ 18 dB Max	
BLC (Back Light Comp.)	ON (Center + Lower)	
White Balance		
Power Requirements	5 to 14 Volts DC	
Current Consumption	90 mA at 12 Volt DC	
Storage Temp. Humidity	-20°C to +60°C - RH Max 90% (Non Condensation)	
Operating Temp. Humidity	-5°C to +45°C - RH Max 80% (Non Condensation)	
Dimensions	32mm(W) x 32mm(L)	
Weight	Approx. 5g without lens	

Dimensions 32 x 32mm

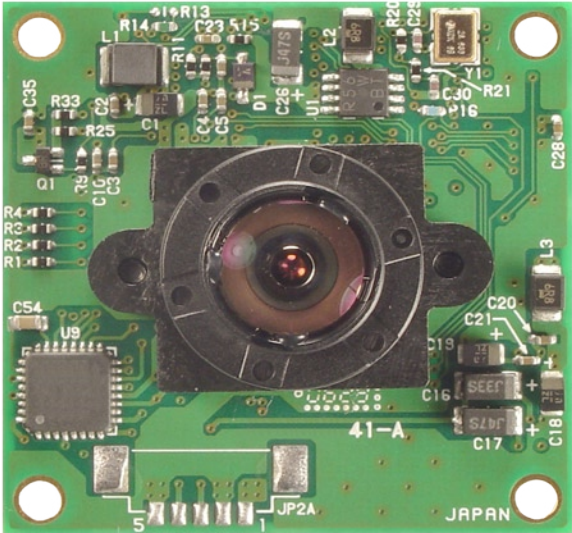
* ACTUAL SIZE



* Actual photo size may vary depending on print scaling

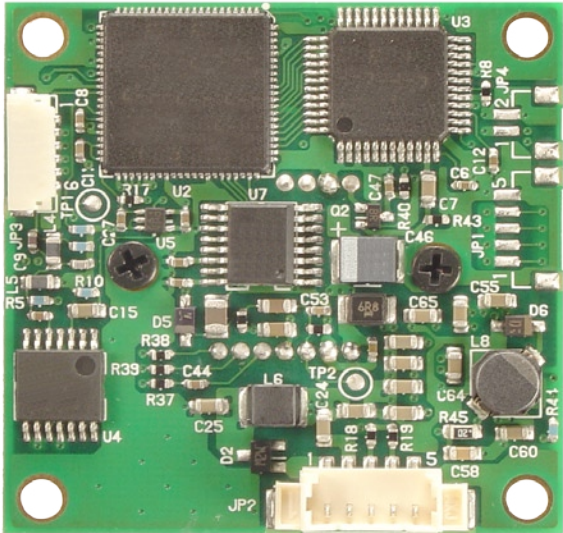
** Specifications and availability of products are subject to change without notice

RHPQ-710 - Connections



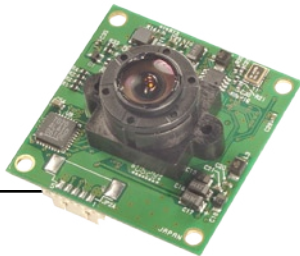
* Shown with 2.7mm Lens

- JP2
- I/O Connector
 - 1. DC Power Input
 - 2. GND (DC)
 - 3. Monitor (Option)
 - 4. Video Output
 - 5. GND (Video)

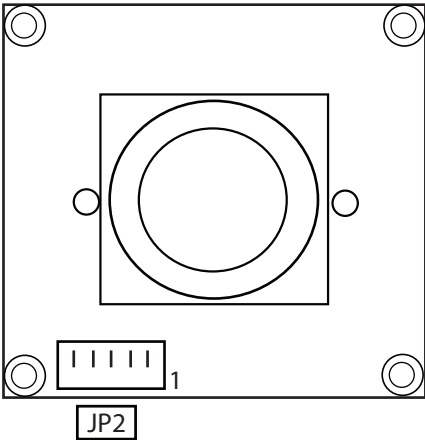


- JP3
- Serial Connector
 - (Factory Use Only)

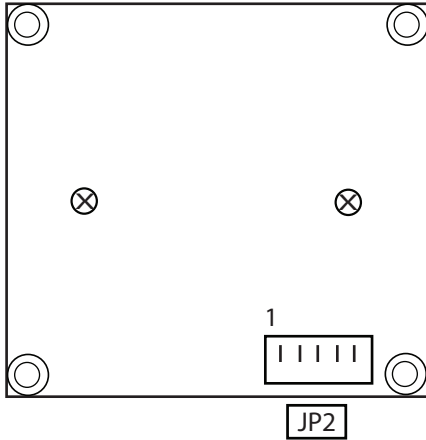
3 Connector Positions Available



RHPQ-710F (OEM)



RHPQ-710 (Standard)



RHPQ-710L (OEM)

