

RHPQ-755

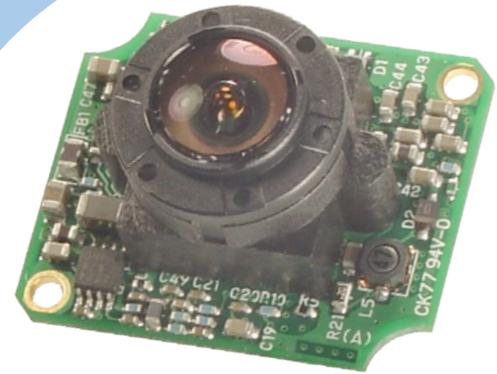
1/4" Color Board Camera
Standard Resolution

1/4" Color Sony CCD
26mm x 22mm Single Board Camera
Aspherical Plastic Lens (to avoid defect by vibration)
Option: OLPF*/IR Cut Filter Removed for improved infrared (low light) sensitivity
5 to 12 Volt DC Operation
High Temperature / Low Tolerance Components
Over/Reverse Current Protection

* Optical Low Pass Filter

350 TV Lines

Wide Supply
Voltage

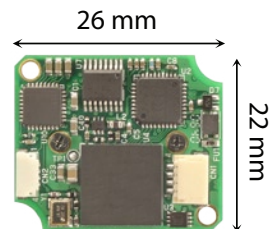
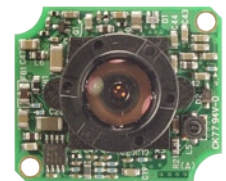


RHPQ-755N (NTSC)
RHPQ-755P (PAL)

Specifications	RHPQ-755N (NTSC)	RHPQ-755P (PAL)
Image Sensor	1/4" Inter-line Type CCD Image Sensor / SONY (ICX226AZ NTSC - ICX227AZ 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	
Burst Level	0.286 Vp-p	
Horizontal Resolution	More than 350 TV Lines	More than 350 TV Lines
Standard Scene Illum.	1000 Lux @ F4.0 - 360 Lux F2.4 - 90 Lux @ F1.2	
Min. Illumination	0.2 lux (Video Output 50%, AGC ON without IR cut filter, F1.2)	
Lens Options	* 2.7mm/F2.4 Aspherical with OLPF (IR Cut Filter) * 2.7mm/F2.4 Aspherical without OLPF (IR Cut Filter) * No Lens	
S/N Ratio	48 dB or better	
Electronic Shutter/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	
Power Requirements	5 to 12 Volts DC	
Current Consumption	60 mA at 12 Volts DC - 110mA at 5 Volts DC	
Storage Temp. Humidity	20°C to +65°C - RH Max 90% (Non Condensation)	
Operating Temp. Humidity	-10°C to +60°C - RH Max 80% (Non Condensation)	
Dimensions	26mm(W) x 22mm(L) x 17mm(H) w/Lens	
Weight	Approx. 5g without lens	

Dimensions 26 x 22mm

* ACTUAL SIZE

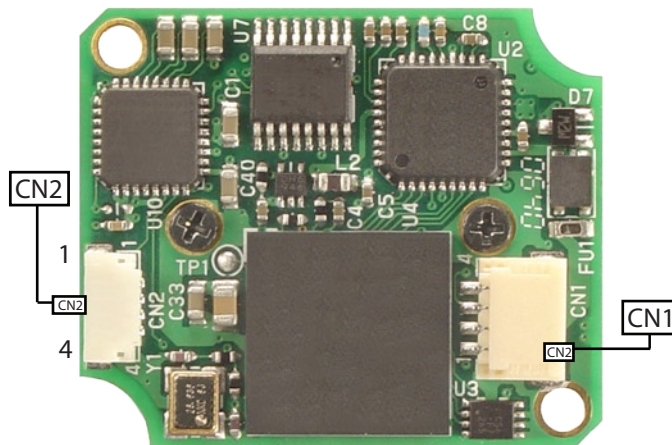
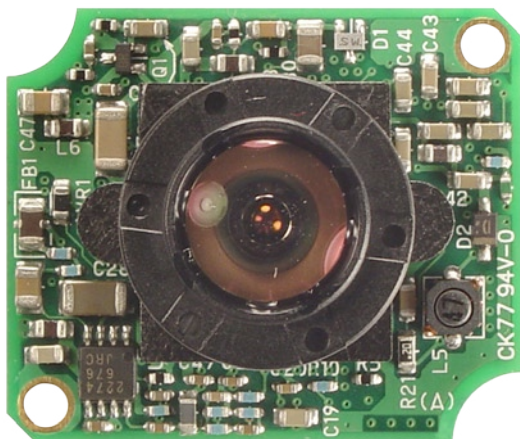


* Actual photo size may vary depending on print scaling

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



RHPQ-755 - Connections



- CN1** - Function Connector
1. +5 to 12VDC
 2. Power GND
 3. Video Output
 4. Video GND

- CN2** - Function Connector
1. I/F for Factory Setting

Measures for High Reliability

- a) Using high temperature & low tolerance type components
- b) Using fuse or over-current protection & diode for reverse current protection
- c) Using ceramic capacitors instead of tantalum capacitor
(to avoid defect by high temperature)
- d) No optical low pass filter (ir cut filter) used - standard type
- e) Aspherical Plastic Lens (to avoid defect of glass lens by vibration)



RHPQ-755
with 2.7mm/F2.4 Aspherical Lens: 62° HFOV