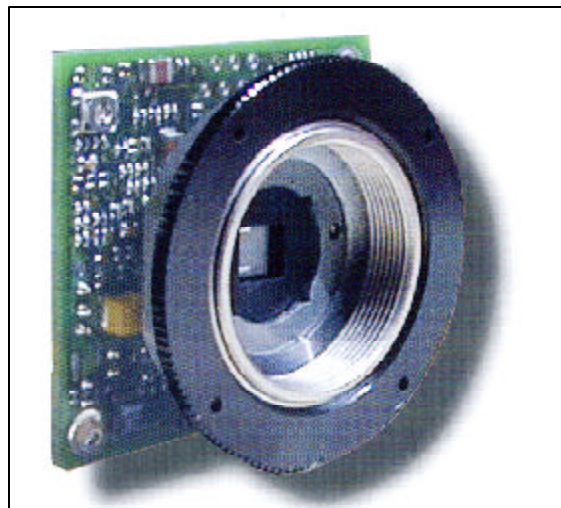




PRAGMATIC COMMUNICATIONS SYSTEMS INC.
2934 Corvin Drive, Santa Clara, CA. 95051
TEL (408) 735 0300 FAX (408) 735 0800
<http://www.wireless-experts.com>

"Affordable Elegance" Product Line

**HIGH RESOLUTION B&W CAMERA MODULE
PVCM342X**



**Do you need a high quality black and white camera
with low cost and high performance?**

Pragmatic has the answer.

High resolution 570 TVL, ultra low light 0.006 lux to near IR
Internal or external synchronisation
Interlaced/ non-interlaced scanning
Automatic or manual gain control
Iris signal output
Electronic iris control or fixed shutter speeds
Back light compensation (selectable on/off)
Option boards:
 24VAC Isolated Transformer with DC Iris and line lock
 10 Bit digital "camera link"
 USB
CS-mount or M12 integrated lens



HIGH RESOLUTION B&W CAMERA MODULE

1. Electrical

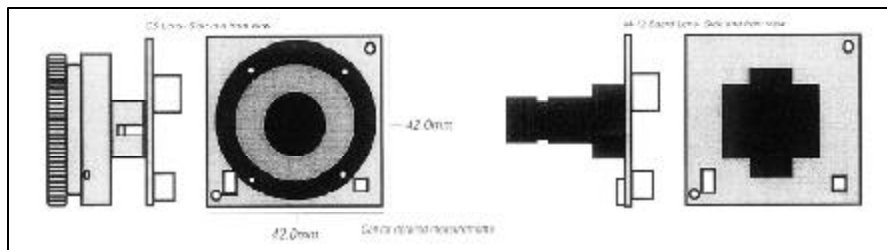
Image device		1/3"IL CCD
Number of active picture elements		CCIR: 752 (H) x 512(V) EIA:768(H) x 492(V)
Horizontal resolution		? 570 TVL
Vertical resolution		CCIR: 415 TVL EIA: 350 TVL
Sensitivity		< 0.05 Lux (50 IRE) F1.2 3200K, lens transmission 80%, scene reflection 75%
Spectral sensitivity range		400 to 1100 nm
Signal to noise ratio		>50 dB (AGC off)
Gain control		Automatic 36 dB (default) Manual via external DC-voltage
AGC detection mode		Average (default)
Scan mode		Interlaced (default)
Non-interlaced (selectable)		
Gamma		0.45 (default), 1.0 selectable
Back light compensation		Default on, selectable on/off
Contour enhance		Default on, selectable via jumper on/off
Iris control		Electronic (default) Fixed Shutter speeds (selectable) 8 values
Synchronisation		Internal (X-tal), H&V lock, line lock,.
Outputs:	Video	1 Vpp base band 75 Ohm
	Iris	1 Vpp (for auto iris lens)
Inputs:	Power	+12 V+/- 10%
	Vext/Line lock	External V-signal for locking
	Hext	External H-signal for locking
	LMC	Lock mode selection
Power consumption		< 1 watt 12V DC +/- 10%

2. Mechanical

Lens mount		CS-mount, or integrated lens 13mm, 12mm
Image format		1/3"
Dimensions		42x42x25 mm (LxWxD) without lens
Interface		5 pin AMP connector (173981-5) 6 pin AMP connector (173981-6)
Interface cables		1 length 10 cm

3. Environmental

Ambient temperature	Operational	-15° to +55° Celsius
	Storage	-25° to +70° Celsius
Ambient Humidity	Operational	20 to 93%RH
	Storage	Up to 98% RH
Lifetime		MTBF >150000



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