

The NEW Raptor Hawk HK-828 / 829 cameras utilise the latest Sony Exview CCD II sensor technology making them the **World's most sensitive rugged CCD cameras.**

This new sensor permits high sensitivity imaging down to $<1\text{mlux}$ scene illumination in colour or monochrome (black & white).

SeeSense are an official distributor for Raptor Photonics products and are able to provide full technical assistance backed directly by the manufacturer.

SeeSense also offer additional accessories and expert lens advice. Please contact us for full details of their range and for lens options for the Raptor HK-828 / 829.

Please contact SeeSense for details and advice.

Specifications:

- World's most sensitive rugged CCD camera
- Monochrome or Colour 1/2" CCD camera
- Latest Sony Exview CCD II Technology
Enables high sensitivity imaging ($<1\text{mlux}$)
- Low smear, High Dynamic Range and S/N
Enables best imaging quality day and night
- Ultra low power
- Fan-less cooling
Ideal for integration & discreet low light surveillance
- Ultra compact and rugged
- Optimum image sharpness in ALL conditions
- Compact (43 x 43 x 57mm) one-piece system
- Realtime imaging
- Simple operation

Raptor's new CCD camera is ideal for day & night surveillance or any low light imaging application including:

- Day / Night Surveillance
- Border Control, etc
- Day channel for EO system
- Low Light Imaging
- Industrial Imaging
- Ideal for low light surveillance
- Ideal for OEM integration into:
EO, UAV, Handheld or Robotic systems

Available in four versions:

Analogue PAL Colour	HK829-AP
Analogue CCIR B&W	HK829-AC
Analogue NTSC Colour	HK828-AN
Analogue EIA B&W	HK828-AC

Rev: 1.030.01.15 E&O.E.

Specification Performance

Power Requirements	12 VDC \pm 10%
Power Consumption	Less than 3.5 watts
Image Sensor	1/2" CCD (8mm Diagonal)
Sensor Type	Sony ICX828 / 829 Exview HAD CCD II Available in colour or monochrome
Active Pixels	CCIR / PAL 768 x 494 EIA / NTSC 752 x 582
Frame Rate	CCIR / PAL 25Hz EIA / NTSC 30Hz
Active Area	CCIR / PAL 6.6 x 4.1mm EIA / NTSC 6.47 x 4.83mm
Pixel Size	8.6 μ m x 8.3 μ m (H x V)
Resolution	480 TV lines
Readout Mode	Progressive Scan
Cooling	Active, no fan
Minimum Illumination	< 1 mlux
Dynamic Range	>60 dB
Spectral Range	350 – 1100 nm
Video Signal Output	1.0Vp-p, 75 Ω , CCIR or EIA SMA connector with BNC adapter
Lens Mount	C/CS-mount 17.526mm / 12.5mm (in Air) Back focus capable
Iris Control	Auto Sensing Video or DC
Dimensions	43 x 43 x 57mm (Including CS-mount)
Weight	< 150 grammes
Operating Temperature	-20°C to + 55°C
Storage Temperature	-30°C to + 85°C

Accessories

RPL-MDM-CBL-F	MDM connector with flying leads
RPL-MDM-CBL-J	MDM connector to Jack & brick
RPL-EPIX-SV5	Analogue to Video Frame Grabber

Power Connector

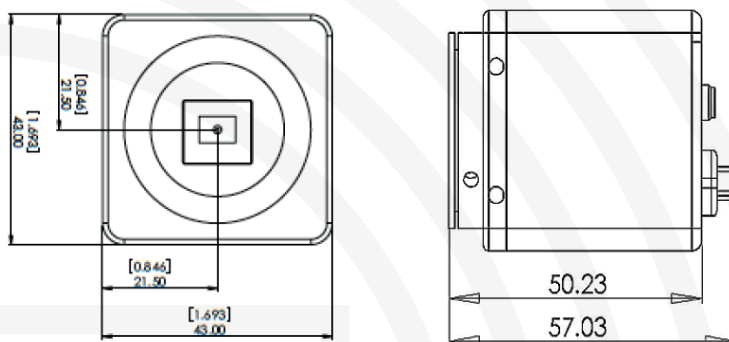
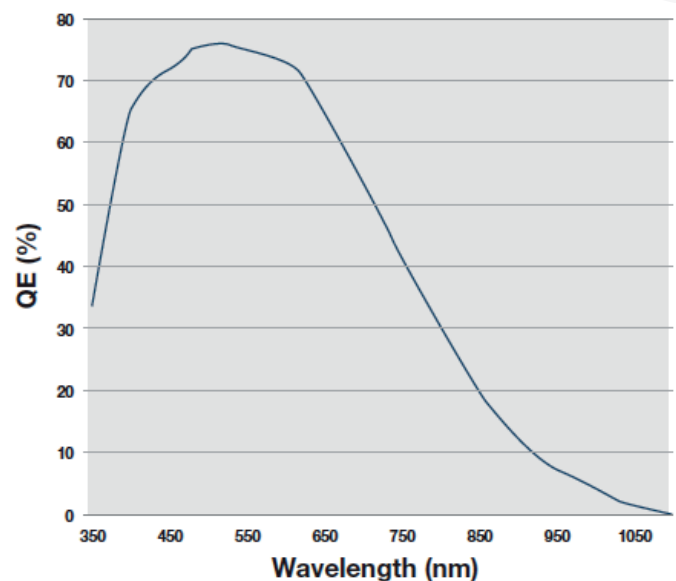
DCDM9P-S-MC240
Available from SeeSense

Lenses

SeeSense specialise in the specification and supply of C & CS-mount lenses. We recommend that you contact us if you require assistance.

Contact SeeSense for details and advice

Camera Quantum Efficiency



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