

4G iCMOS NIGHT VISION CAMERA

DEFENCE VISION SYSTEMS (DVS) LTD

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The new 4G iCMOS intensified camera provides outstanding performance for use in variety of defence and security surveillance applications. The camera is a compact, lightweight and low power device, ideal for use in UAV or RIB applications, especially where a high performance camera is required.

Combination of modern, high-resolution CMOS sensor and the latest 4G, Hi-QE Red intensifier, provides the optimum performance in low light conditions. The camera provides a high Dynamic Range, allowing both dark and light areas of the scene to be imaged simultaneously without exposure time adjustment.

Available either as a stand-alone camera or as part of a multi-sensor system, also in fast gated versions for integration into laser gated viewing systems.

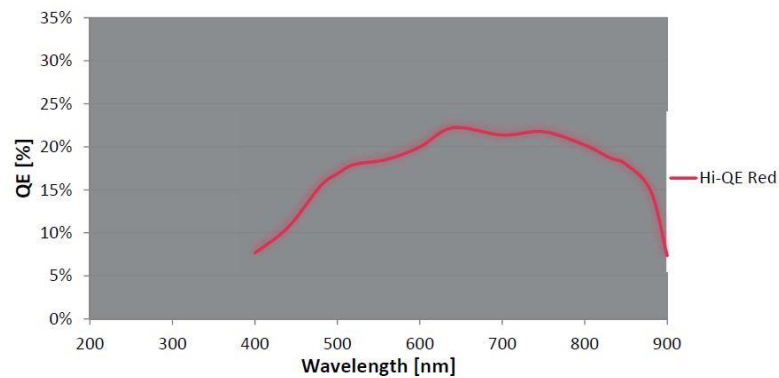
Camera Data:

CAMERA

Sensor type	CMOS (NSCT1105)
Resolution	1280 x 1024 pixels
Readout mode	Rolling shutter
Frame rate	Up to 60 frames/s
Data output	USB3.0 or Camera Link, 14-bits
Dynamic range	>140 dB
Power supply	5 V DC
Power consumption	<0.5 W
Lens fitting	C-mount (custom fittings on request)
Size	L: 85 mm H: 50 mm W: 50 mm
Mass	<500 g

INTENSIFIER

Type	4G
Size	18 mm
Photocathode	Enhanced red response (see the plot below)
Phosphor	P43 (also available in P22 and P45)
Gating and gain control	Automatic (fast-gated version available on application)



Note: The standard camera is offered with an ENHANCED RED RESPONSE. However, DVS is also able to offer the camera with alternative Hi-QE photocathodes to suit specific applications.

Contact DVS if an alternative is required.