

High Resolution ICCD

DVS Cameras

* Designed and manufactured in the United Kingdom

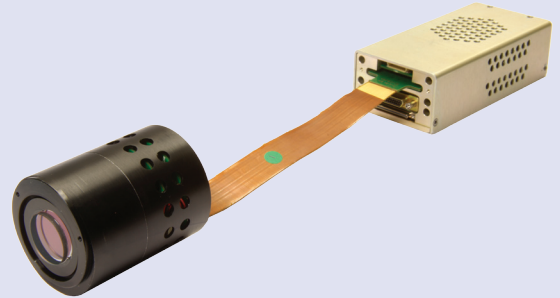
* Built to defence standards for Shock, Vibration, Temperature

NOW AVAILABLE WITH 3RD GENERATION INTENSIFIERS

Technical Specifications

General Data

Input Voltage:	12Vdc – 32Vdc
Lense Fitting:	C-mount (custom fittings on request)
Mass:	450 gm including C-mount interface
Temperature Range	
Operating:	-40° C to +65° C
Storage	-55° C to +70° C
Shock Resistance:	Operating 10g 11msec Storage 18g 11msec
Vibration:	10Hz (0.002 g ² /Hz) – 1000Hz (0.0055 g ² /Hz)



Mechanical Dimensions

Modular – Head/sensor and electronics modules	
Sensor Head module:	47mm dia x 62mm long
Drive/G.M.S module:	106mm x 50mm x 30mm
Module interconnect:	150mm long flexible cable
Alternative lengths available on request.	

Head length increases by 12.6mm with C-mount.
Monobody version available on request.

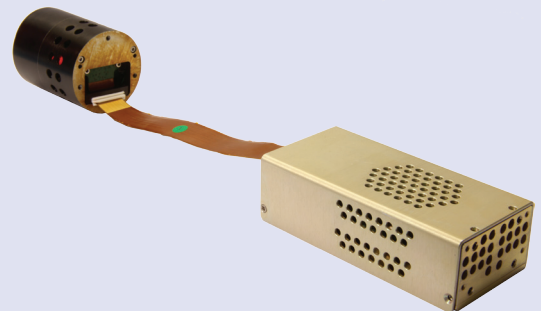
General Performance Data

Scene Illumination:	10 ⁻⁶ lux to 10,000 lux In conjunction with an adjustable iris lens or neutral density filter(s) may be extended to 150,000 lux
Overload Protection:	Digital gated Intensifier off @ >10,000 lux (Auto-reset after 10s)
Resolution:	Digital mode – 1392 x 1040 Analogue mode: CCIR – 768 x 576 EIA – 648 x 486 Aligned on a common optical centre line
Output:	Analogue or Digital – user selected Analogue – CCIR or EIA – user selected Digital – Full scan or selected sub areas
Digital Interface:	LVDS or GigE
General corrections:	Customer specified at time of order The camera includes a uniformity/shading/blemish correction function which will provide a reduction in spatial non-uniformities in all output modes. The function applies gain/offset corrections to all active imaging pixels.
Operation:	Automatic or Manual – user selected

Manual Control Functions

Control via an I2C interface using an on-screen menu for the following functions:

- Video mode
- Exposure control mode
- Exposure
- Exposure control window
- Intensifier Gating
- Intensifier Gain level
- Video Gain
- Gamma Toggle
- Integration
- Uniformity correction



ICCD Cameras are subject to UK government export licence regulations

DVS reserves the right to modify the data outlined without prior notice (E & OE)