

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

General Data

Input Voltage: 12Vdc–32Vdc
Lens 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 g²/Hz) –
1000Hz (0.0055 g²/Hz)

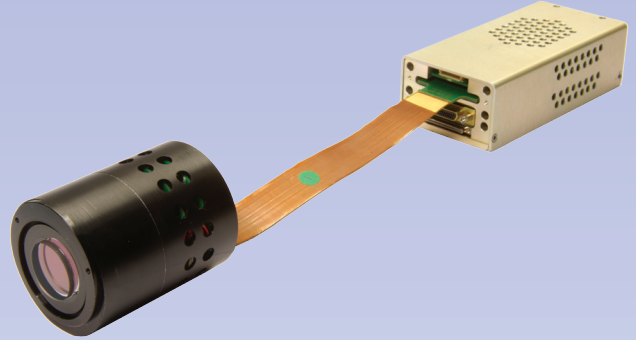
Mechanical Dimensions.

Modular – Head/sensor and electronics modules
Sensor Head module: 47mm dia x 62 mm 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.
Mono – body version available on request.

General Performance Data

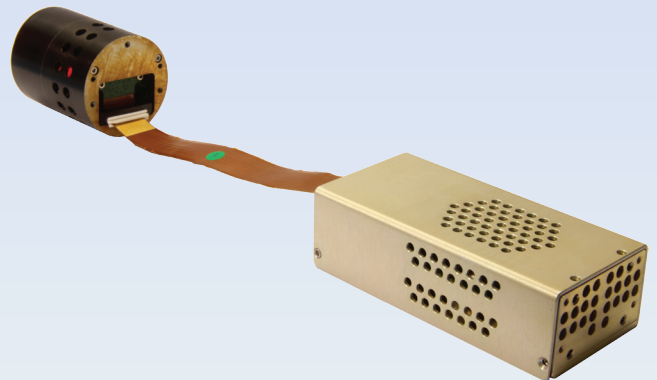
Scene illumination: 10⁻⁶ lux to 10,000 lux
In conjunction with an adjustable iris lens or neutral density filter(s) may be extended to 150,000 lux
Overload protection: Digital gated Intensifier off @ >10,000 lux (Auto-reset after 10s)
Resolution: Digital mode – 1392 x 1040
Analogue mode –
CCIR – 768 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
Customer specified at time of order.
General corrections: 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 reserve the right to modify the data outlined without prior notice (E & OE)