

Rugged SWIR Camera

Technical Specifications

DVS offers a wide range of SWIR cameras — all are available in various configurations. They can be supplied as modules for integration into a larger multi-camera system or housed in IP67 cases for standalone operation. If purchased as a standalone unit then SWIR lenses are also available. The lenses can be integrated into the camera operation for a complete plug and play system.

General Data

Input Voltage	12Vdc
Power	10W typical (cooled)
Mass	< 220g

Mechanical Dimensions

Mono-body camera	
Length:	65mm (including C-mount)
Height:	50mm
Width	50mm

Environmental Data

Temperature Range	
Operating:	-30° C to +60° C
Storage:	-40° C to +70° C

Optical Data

Lens fitting:	C-mount (custom fittings on request)
CCD Type:	InGaAs sensor
Spectral Response	900nm to 1700nm
Sensor Format:	2/3 inch
Active Pixels:	640(H) x 512(V)
Image Read out:	Digital CamLink (see options)

Electrical Data

Connectors:	Single multi-way connector for: control, power and digital Note: according to image readout selected, alternative connectors may be used
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Images of the HD-SDI version with USB3 control

Manual Control

Manual control of camera functions using an on screen menu.

Options

1. Customer specific configurations
2. Customer specific housing
3. NIR lenses available on request
4. Alternative image readouts available on request, to be specified at time of order:
 - a. LVDS
 - b. GigE
 - c. HD-SDI

Potential Applications

1. Long range daylight surveillance
2. 24-hr surveillance
3. Detecting or working with 1064 and 1550nm lasers, range finding or illumination
4. Multi-camera systems

Designed and manufactured in the UK, built to defence standards for shock, vibration and temperature
DVS reserve the right to modify the data outlined without prior notice (E & OE)