

Rugged 1280 visSWIR Camera

DVS Cameras

Designed and manufactured in the United Kingdom

Built to defence standards for Shock, Vibration, Temperature

Applications & Technical Specification

This camera enables the user to observe lasers at 860nm, 1064nm and 1550nm. One camera can be used to provide the benefits of SWIR, such as mist and haze penetration while also being used with both existing visible band lasers and those working in the near infrared.

Potential Applications

- Long range daylight surveillance
- 24-hour surveillance
- Detecting or working with 860, 1064 and 1550nm lasers, laser range finders (LRF) or illumination.
- Multi-camera systems
- Airborne surveillance

General Data

Input Voltage	12Vdc
Power	<6W (TEC on)
Mass	<300g

Environmental Data

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

Mechanical Dimension

Mono-body	
Length:	75mm (including C-mount)
Height:	50mm
Width:	50mm

Optical Data

Lens fitting:	C –mount (custom fittings on request)
CCD Type:	InGaAs
Sensor Format:	1 inch
Spectral response:	400nm to 1700nm
Active Pixels:	1280 x 1024/640 x 512 (Binning)
Frame rate:	60 fps maximum

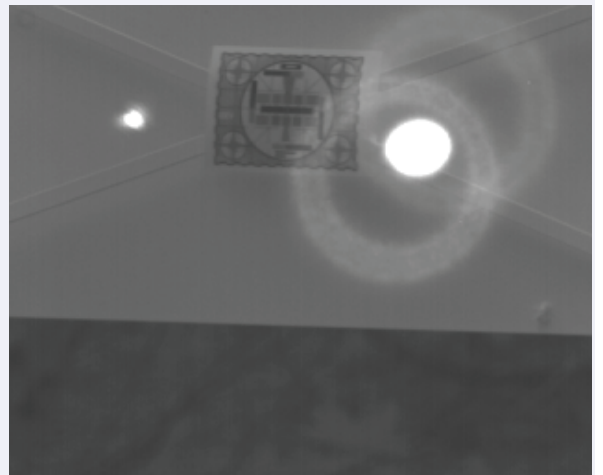
Electrical Data

Output Interface:	HD-SDI
Control:	USB3

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



Equipment: DVS VisSWIR camera with a mirror lens.
Left hand spot created using an 860nm laser.
Right hand spot created using an 1550nm laser.

