

Low Light HR Frame Camera

Technical Specifications

Application

24 hour camera system for UAVs and general surveillance.
System offers a choice of colour or monochrome and includes a x12 zoom lens.

General Data

Input Voltage: 12Vdc
Power: 10W
Mass: 600 grams

Environmental Data

Temperature Range
Operating: -30° C to +60° C
Storage: -40° C to +70° C
Shock: Details on request
Vibration: Details on request

Mechanical Dimensions

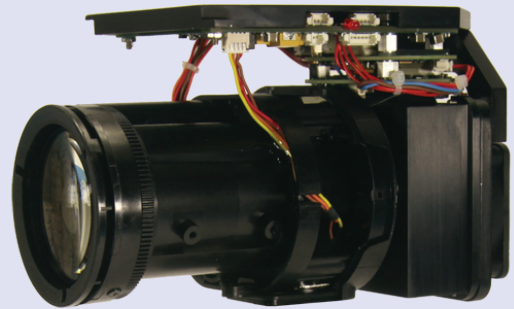
Height: 83 mm
Width: 91 mm (over GigE connector)
Length: 138 mm

Optical Data

Lens: x12 powered zoom
FOV: Wide: 430 x 330
Tele: 3.50 x 2.50
CCD Type: Colour sCMOS or Monochrome sCMOS
Customer specified at time of order.
Format: Nominal 1inch
Active Pixels: 1920 (H) x 1080 (V)
Image readout: Digital
Digital Interface: GigE
Optional Interface: Optional interface Analogue CCIR or RS170-EIA
Specified at time of order.

Housing Options

1. Frame camera only (as shown above).
2. May be supplied Gimbal Mounted. Details on request.



Operational Illumination Range

FULL SUN to STARLIGHT.
Both monochrome and colour versions will provide full 24 hour operation.
Colour version will provide colour images down to very low light levels.
IR cut filter may be automatically removed for greater sensitivity in conditions of low signal input.

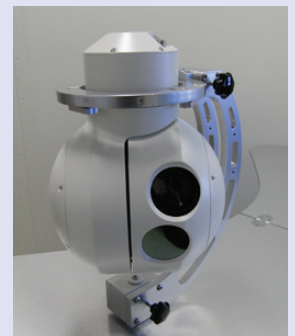
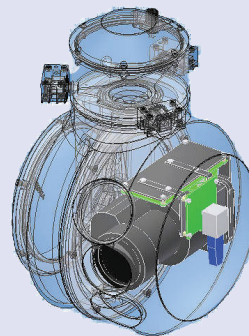
GMS (Gain Management System) Performance

Automatic provision of the optimum image under all illumination conditions, using the GMS and Noise Filter.

LLCC Manual Control Options

Manual control of camera functions provides:

- Noise filter
- On-chip gain
- Video gain
- Electronic shutter
- Gamma user selectable value
- Exposure control
- Cut filter operation



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