



Colour ICCD Camera

General Data

Input Voltage: 12Vdc
Power: 6W
Mass: 300 grms (excluding lens)

Environmental Data

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

Mechanical Dimensions

Height: 80 mm
Width: 150 mm
Length: 150 mm
Housed Dimensions (excluding lenses and connectors)

GMS (Gain Management System) Performance

Faceplate Illumination.
Digital Gating: 10⁻⁶ lux (min) to 10,000 lux
Overload protection: Digital gated intensifier off @ >10,000 lux (Auto-reset after 10s)
Scene Illumination: 24 Hour, Dawn to dawn; full sun with digital gated version. (No other light attenuation required.)

Optical Data

Lens Fitting: F-mount (custom fittings on request)
Sensor package: 18 mm intensifier directly bonded to a 2/3 inch format high resolution monochrome CCD/Colour CCD.
Intensifier Type: 18 mm Enhanced Gen 2 (Photonis XD4)
CCD Type: Sony High sensitivity, low dark current, HAD sensors with Electronic shutter
CCD Format: 2/3 inch
Active Pixels: 1360(h) x 1024(v)
Image Readout: Progressive scan
Interface Standard: GigE

Operational illumination range

FULL SUN to STARLIGHT

Camera will provide a coloured intensified image over a very large dynamic illumination range. The ability to provide a coloured intensified image at the very lowest light levels is dependent on the speed of the lens used.

OPTIONS:

Manual Control: Using an on-screen menu for the following functions:
Intensifier Gating
Intensifier Gain level
Camera Gain
Black Level
Gamma Toggle
Integration

Intensifier Upgrade: 18mm High Grade Enhanced Gen2 (Photonis XR5)
18mm GaAs Gen 3 Intensifier (Hamamatsu)

DVS Cameras

* Designed and manufactured in the United Kingdom

* Built to defence standards for Shock, Vibration, Temperature

Note: All image intensified cameras are subject to UK export licence regulation

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

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