



Monochrome Panoramic ICCD Camera

General Data

Input Voltage: 12Vdc
Power: 10w
Mass: 600 grms (excluding lenses)

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: 100 mm
Length: 70 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 Arrangement: Three lens camera
Lens Fitting: C-mount (custom fittings on request)
Field of View: Typically 120 degrees but may be varied according to the type of lens used.
Sensor package: 3 x 18 mm intensifier directly bonded to a 2/3 inch format high resolution CCD.
Intensifier Type: 18 mm Enhanced Gen 2 (Photonis XD4)
CCD Type: Sony High sensitivity, low dark current, HAD sensor with Electronic shutter
CCD Format: 2/3 inch
Active Pixels: Per sensor – 1360(h) x 1024(v)
Image Total: 4080 x 1024
Image Readout: Progressive scan
Interface Standard: GigE

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)

Configurations: Standard camera comprises three lenses providing a letter box image.
Alternatives;
Four lens configuration providing a square image with 2720 x 2048 active pixels.
Six lens configuration providing a letter box image with 4080 x 2048 active pixels.

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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