

Night Shark SD

Applications

- Mid-Water Navigation Tasks
- General Observation & Situational Awareness
- Drill Support Tasks
- Manipulator & Tooling Tasks



Low Light Wide Angle Monochrome Camera

- 105° Wide AOV
- Excellent Low Light Performance
- 6000 msw Depth Rating

The Night Shark standard definition, high resolution monochrome cameras have been designed primarily for use in subsea environments and are ideally suited to mid-water navigation tasks and general observation including manipulator and tooling tasks construction and drill support applications.

The Night Shark cameras offer both exceptional low light sensitivity and an extremely wide AOV (105°). The water corrected optical arrangement minimises distortions and aberrations and the video image will appear in focus from 1m in front of the port to infinity, making the Night Shark an excellent choice for both navigation and general observation applications.

Packaged within a robust 6000msw depth rated titanium alloy housing the Night Shark provides a standard definition composite video signal output via the Seacon or Burton 5506-1508 connector or customer specified external connector.

For further information, email
camera.sales.uk@imenco.com

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Night Shark (SD)

Technical Specifications

Performance	
Video Format	Composite PAL or NTSC
Horizontal Resolution	570 TVL (SD)
Minimum Scene Illumination	0.0001 lux
Electrical	
Scan Standards	625 lines 50 Hz CCIR 525 lines 60 HZ EIA RS170A
Video Output	1V pk-pk composite video into 75Ω
Power Input	24 VDC, 4w
Optical	
Lens	F1.8
AOV in water Dome Port	Diagonal: 105° Horizontal: 92°
AOV in water Flat Port	Diagonal: 79° Horizontal: 67°
Focus Range	1 mtr to infinity, (Fixed lens)
Front Port	BK7 - Dome / Sapphire - Flat
Mechanical	
Dimensions	Diameter: 74mm (main body), 79mm (front end) Length: 180mm (excl. connector)
Weight	In water: 1.2 kg In Air: 2.0kg
Housing Material	Titanium
Connector	Seacon / Burton 5506-1508, CSMSAJ-9-BCR or customer specified
Environmental	
Operating Depth	6000 msw
Temperature	Operating: -5 to 40°C Storage: -20 to 60°C
Shock	30G peak acceleration, 25ms half sine duration, on all three axes
Vibration	10G, from 20 to 150HZ on all three axes
Electromagnetic Compatibility	BS EN 61000-6-3: 2007 Emission and BS EN 61000-6-1: 2007 Immunity

Night Shark_Datasheet_Rev B