IRIS090-4in1
Rugged Analogue Hi-Definition Submersible Camera

Key Features:

- Exceptional mechanical strength
- Superior Coccosion Resistence
- 316L Marine Grade Stainless Steel
- Multi-Format Compatibility
- Standard Defintion (CVBS) and 3 x HD Formats (TVI, CVI, AHD)
- Available in 2.8mm and 3.6mm Lens Options
- IP68 Environmental Protection
- Low Power <350mA @ 12VDC
- EN60945 EMC Rating
- Plug-In in-line Joystick for OSD Configuration and Set Up
- Video Runs over 75Ω Coaxial Cable - Even AHD formats
- Built in Infra Red LED Illumination (up to 15m range)
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Applications:

- Leisure & Commercial Marine
- Emergency & First Responders
- Commercial & Sports Fishing
- Off Road & Overlanding Vehicles
- Situational Awareness Aid
- Back-Up, Tender Monitoring and Forward Vision

Introducing the IRIS090-4in1: A Compact, Ultra-Rugged Bullet Camera, engineered for Marine and Vehicle Surveillance Precision-engineered. Exceptionally durable. Uncompromisingly versatile.

Crafted from marine-grade 316L stainless steel, the IRIS090-4in1 delivers outstanding resistance to corrosion, vibration, impact, and extreme weather conditions—making it the ultimate surveillance solution for both marine and vehicle applications.

The cameras compact and rugged form factor is discreet, yet incredibly tough, allowing for mounting in confined or exposed positions, and with an IP68 environmental rating, the camera is fully protected from dust and water ingress at depths of up to 30 meters making it ideal for RIBS, workboats, emergency vessels and vehicles and offshire vessels.

The IRIS090-4in1 supports four analogue video formats. Standard definition CVBS (composite video) for legacy systems, and three analogue hi-def formats (AHD, HD-TVA and HD-CVI). The high definition formats offer up to 5MP HD resolution in real time.

Standard Format CVBS video is supported by all chart-plotters with analogue video inputs and high defintiion formats are directly compatible with chart-plotters with analogue-HD compatible inputs, such as Garmin's 9000 series chart-plotters (max resolution 2MP).

Built in Infra Red LED illuminators facilitate visibility up to 15 meters at night or in low light.
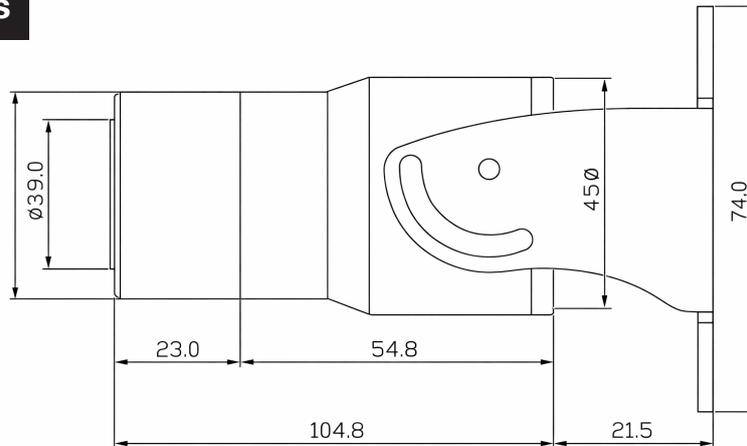
Installation is simple, with video transmitted over conventional 75Ω coaxial cable such as RG59, RG6 or URM70 which means the camera can be used to upgrade existing cameras without the need to run new cable. In addition, the camera draws less than 200mA (with LED's ON).

IRIS090 Dimensions

Specifications	
Sensor	1/2.8" Sony STARVIS CMOS Image Sensor
Resolution	HD Formats (TVI, CVI, AHD) Max: 2560x1920 (selectable) / 1920x1080P @30fps / 25fps
Minimum Illumination	Colour: 0.01 lux / Mono: 0 Lux (with Infra Red ON)
Scanning System	Progressive
S/N Ration	More than 50dB (AGC Off)
Video Output	Analogue Hi-Def: AHD / TVI / CVI Standard Definition: CVBS - PAL / NTSC
Shutter Speed	AUTO / MANUAL (1/30(1/25) ~ 1/30,00) / FLICKER
DC Iris	Indoor / Outdoor / Deblur
Day & Night	Auto / Colour / B&W / External
Lens Options	2.8mm (Standard) / 3.6mm Option
White Balance	Auto / Auto Ext / Preset / Manual
Mirror	Off / On
DNR	Off / On
Privacy	Off / On
Defog	Off / On
Backlight	Off / WDR / BLC / HLC
Video System (Standard Definition)	PAL / NTSC Switchable
Temp / Humidity	Operating: -10˚C ~ 60˚C / Max 90%RH - Storage: -20˚C ~ 60˚C / Max 90%RH
Weight	0.65KG
Dimensions	39mm˚ x 109mm (L)
Power	DC12V ±10% <350mA LED ON
Security	NDAA Compliant
Environmental	EN60529 IP68
EMC / Safety	EN60945 Sections 9 & 10

Specifications Subject to Change Without Prior Notice E&OE