

The Insite Pacific range of underwater video products offers a complete spectrum of high specification, high performance cameras from simple black and white inspection cameras to broadcast quality color zoom cameras.

The **Aurora Plus** is a miniature, high specification, cost effective color CCD video camera, ideal for applications where size is of critical importance, but high image quality is also a requirement.

It has a high resolution, low light, color CCD sensor providing outstanding picture quality and performance in a very compact housing.

It is ideal for mounting on ROV manipulators, or down-hole video and remote tooling where the competing demands of price, size and performance can be met.

The camera has a fixed focus, wide angle lens and requires no external controls in normal operation.



### **Features**

- High resolution color CCD module*
- Extremely compact*
- Fixed focus, wide angle lens*
- Titanium pressure housing*
- 4,000 meter depth rating*

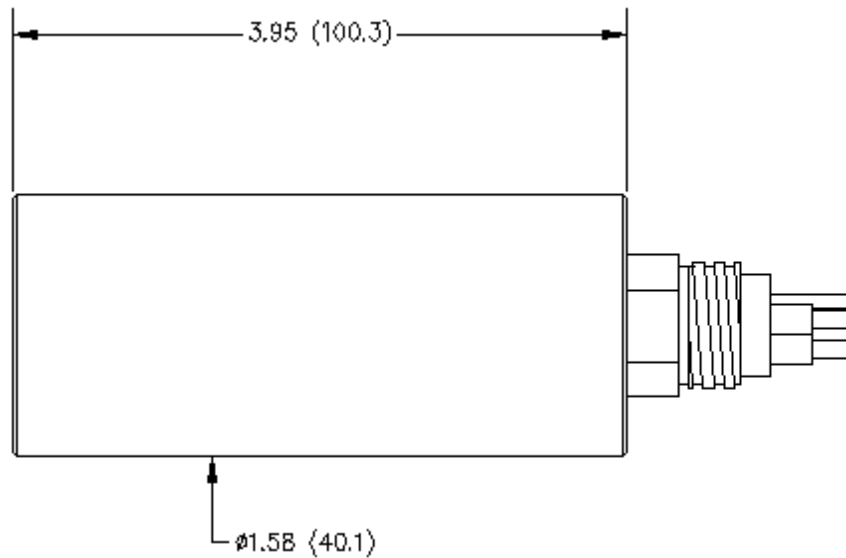
### **Applications**

- Remote tooling systems*
- Surveillance*
- Diver use*
- Inspection ROV*
- Leisure marine*



# Insite Pacific - Aurora Plus

## Specification



4000m Housing shown above

All measurements in inches (millimeters)

### Electrical

Sensor	1/3" EXview HAD CCD II
Resolution	700 Horizontal TV lines
Minimum Illumination	0.001 Lux (Faceplate)
CCD Iris	NTSC 1/60 to 1/100,000 Sec. PAL 1/50 to 1/100,000 Sec.
Signal to Noise Ratio	>50dB (AGC Off)
Total Pixels	NTSC (60Hz), 1020(H) x 508(V) PAL (50Hz), 1020(H) x 596(V)
Video Output	Composite 1Vpp
Camera Power	15 to 30VDC at 150mA typical (12VDC Optional)

### Optical

Lens	3.6mm, F2.0
Focus Range	(8 inches) to infinity
Field of View	73° Diagonal 61° Horizontal 48° Vertical

### Environmental

Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-20°C to 60°C (-4°F to 140°F)

### Mechanical (4km Housing)

Length	10.1cm (3.95 inches) excluding underwater connector
Diameter	4.0cm(1.58 inches)
Weight in air	0.34kg (12oz) without Connector
Weight in water	0.25kg (9oz)
Housing Material	Titanium & Acetal
Pressure Window	Optically Polished Sapphire
Connector	Customer specified

Optional pressure housings up to 13km meter depth rating are available.

*All specifications are subject to change in line with Insite Pacific's policy of continual product development.*

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