

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 Mercury is a high sensitivity CCD underwater TV camera, providing high resolution images in low light conditions for inspection or navigation purposes.

This camera is small and ideal for applications that do not justify the cost of a SIT camera but where high sensitivity is required.



4,500 Meter Titanium Housing

Features

- ❑ *Very high sensitivity of 0.0001 lux (minimum illumination)*
- ❑ *High resolution 570 horizontal TV lines*
- ❑ *4,500 meter pressure housing with 7,000m option*

Applications

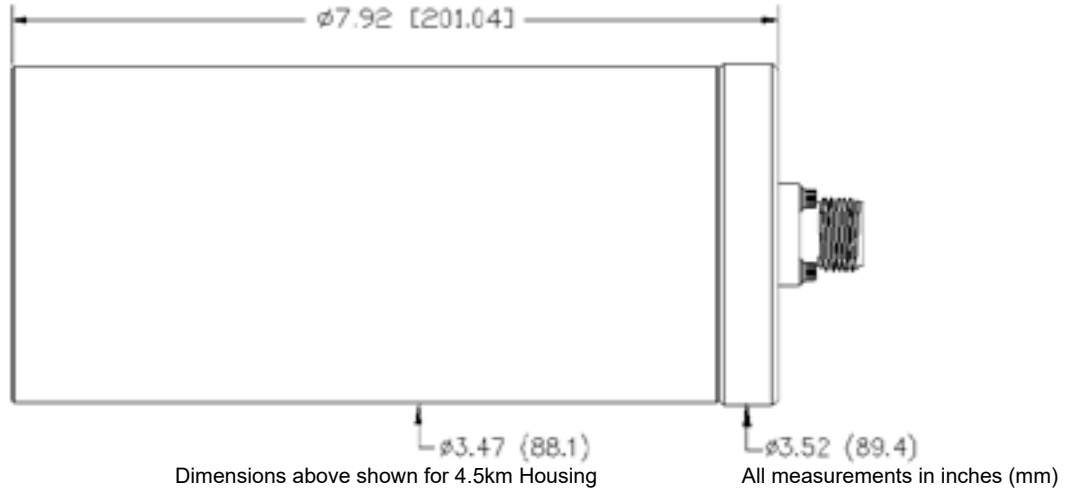
- ❑ *Underwater surveillance*
- ❑ *High resolution pipeline inspection*
- ❑ *Ideal alternative to a SIT for inspection class vehicles*
- ❑ *Aquaculture*



7,000 Meter Glass
Hemispherical
Dome Housing

Insite Pacific - Mercury

Specification



Optical

Lens	4mm, F1.2 to 360, Aspherical
Iris	Auto Iris
Focus Range	Fixed 7" (17.8cm) to Infinity
Field of View	95° Diagonal 83° Horizontal 68° Vertical

Environmental

Depth	4,500 Meters (14,764 ft)
Operating temperature	14°F to 104°F (-10°C to 40°C)
Storage temperature	-22°F to 158°F (-30°C to 70°C)

Electrical

Sensor	1/2 Inch Interline transfer CCD
Resolution	570 HTVL
Sensitivity	0.0001 lux, F1.4
Scanning System	EIA, 60 Hz, 525 lines or CCIR, 50 Hz, 625 lines
Sync System	Internal
Video Output	1.0V p-p Composite video into 75 ohms (Unbalanced)
Signal to Noise Ratio	>50db (AGC off)
Camera Power	15-30 Vdc at 150 ma nominal 12Vdc optional

Video Line Driver (optional)

Adjustable for up to 5000 ft (1,500m) of RG-59/U cable

Options

Various depth ratings are available.

Mechanical - 4,000 meter depth

Weight : in Air	5.5 lb. (2.5kg)
Weight : in Water	2.75 lb. (1.2kg)
Housing Material	Titanium
Pressure Window	Acrylic
Connector	Customer specified

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

Insite Pacific Inc.

6837 Nancy Ridge Drive, Suite G, San Diego, California, 92121, USA

Phone (858) 523-0642 Fax (858) 523-0643

Website: www.insitepacific.com Email: sales@insitepacific.com

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