

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 Plus 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 in the past required a SIT camera. The low light sensitivity approaches that of an EMCCD Camera, but at a much lower price.



4,500 Meter Titanium Housing

Features

- ❑ *Very high sensitivity of 0.00005 lux (minimum illumination)*
- ❑ *High resolution 570 horizontal TV lines*
- ❑ *4,500 meter pressure housing with 7,000m option*

Applications

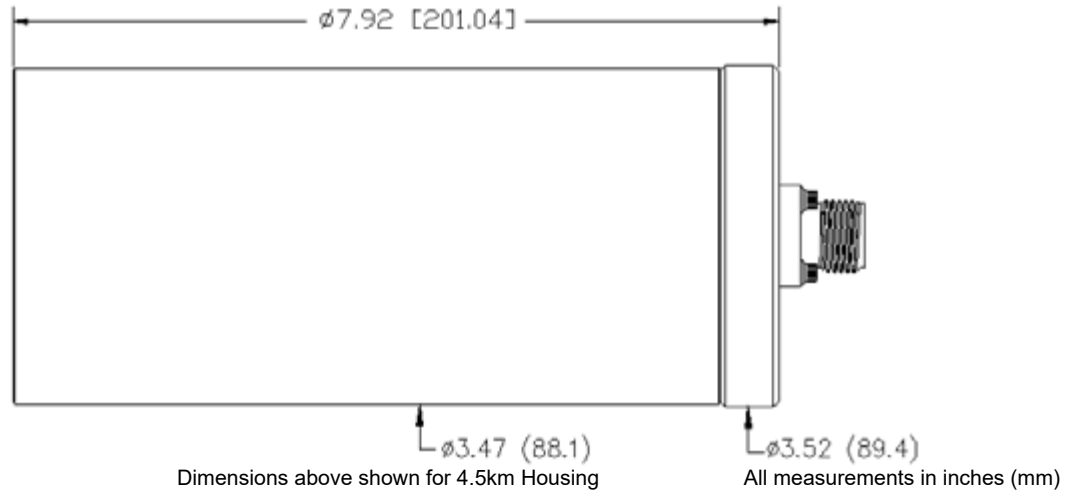
- ❑ *Underwater surveillance*
- ❑ *High resolution pipeline inspection*
- ❑ *Ideal alternative to a SIT for inspection class vehicles*
- ❑ *Aquaculture*



7,000 Meter Glass
Hemispherical
Dome Port Housing

Insite Pacific - Mercury Plus

Specification



Optical

Lens 3mm, F1.0 to 360, Aspherical
Iris Auto Iris
Focus Range Fixed 7" (17.8cm) to Infinity
Field of View 95° Diagonal
83° Horizontal
68° Vertical

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 1/3 Inch Interline transfer CCD
Resolution 570 HTVL
Sensitivity 0.00005 lux, F1.4
Scanning System 2:1 Interlace
Sync System Internal
Video Output 1.0V p-p Composite video into
75 ohms (Unbalanced)
Signal to Noise Ratio >52db (AGC =6dB)
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 - 4,500 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

Environmental

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

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