

Insite Pacific introduces the **SCORPIO Plus**, a professional digital still color TV camera with advanced photographic performance and unrivaled image quality. A 3.34 megapixel CCD provides ultrahigh-definition (2,048 x 1,536 pixels) still images. The TTL (through the lens) color video output not only allows you to accurately frame your still images but also can be used for video documentation. Advanced Digital Image Processing using Matrix Metering, Auto White Balance and Area Multi AF automatically produces outstanding digital images.

Using INSITE's exclusive Windows™ control software and your PC computer you can take advantage of the most advanced digital photographic controls available such as Electronic Shutter, Aperture (Iris), White Balance, and an incredible number of other advanced features. Additionally, this software is compatible with other Insite Pacific cameras such as our Gemini SIT Camera or PEGASUS Color Zoom camera providing control over an entire suite of Insite Pacific cameras.

The SCORPIO can be provided in a 3,000m or 6,000m titanium pressure housing. A glass hemispherical viewport and exclusive corrected optical lens system virtually eliminates geometric and chromatic distortion traditionally associated with acrylic viewports.



Features

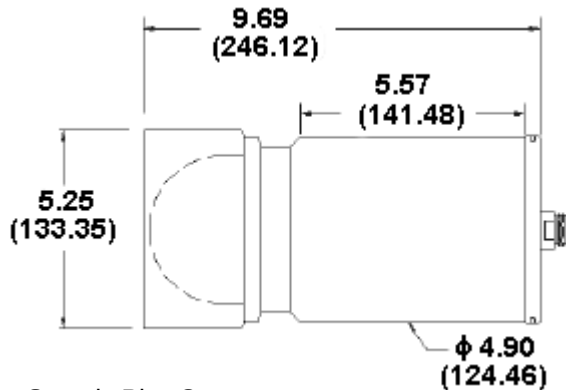
- ❑ 3.34 MEGA-PIXEL CCD for Ultra-High Definition (2048 x 1,536-pixel) Images
- ❑ 4 X Zoom Lens (38 - 152mm in 35mm format)
- ❑ 1 Gig Micro Drive storage media
- ❑ Digital Images can be downloaded in USB Format without opening the camera
- ❑ Real Time Video for Framing Photos or Documentation Purposes
- ❑ Glass Hemispherical Viewport With Exclusive Corrected Optics Virtually Eliminates Geometric And Chromatic Distortion
- ❑ Exclusive Windows™ Software For Camera Remote Control Via RS-232 Or RS-485 Interface.

Applications

- ❑ Underwater Documentaries
- ❑ High Resolution Inspection In Restricted Access Areas
- ❑ Marine Archaeology
- ❑ Oceanographic Research
- ❑ Military

Insite Pacific - Scorpio Plus

Specification



Scorpio Plus Camera

All dimensions in inches (millimeters)

Connector functions available
Camera Power
Composite video
USB (Download Pictures)
RS232 or RS485 Camera Control
Strobe Trigger
Strobe Stop

Specifications

Sensor 1/1.8-in. 3.34 Mega Pixel High-Density CCD

Image Size 2,048 x 1,536 Pixels; XGA-Size (1,024 x 768),
VGA-Size (640 x 480), 3:2 (2,048 x 1,360) Selectable

Sensitivity (Approx.) ISO 100 Equivalent; 100, 200, 400,
Auto; Can be controlled in any exposure mode

Autofocus Contrast-detect TTL AF; 4,896-step auto focus
control; 5 area Multi AF or spot AF selectable

Focus Mode 1) Continuous AF mode or single AF mode
selectable, 2) Manual; 50 steps from 1-inch to infinity

Video Output NTSC or PAL (Selectable), 1.0 V p-p, 75
ohms

Storage File Format: Uncompressed TIFF or compressed
JPEG ; Media; Removeable 1 GIG Micro Drive

Protection All input / outputs over-voltage protected

Camera Power 12-30 Vdc, 1.2 A nominal

Shooting Modes Fully Automatic In "A-REC" mode;
Custom (user specified) in "M-REC" mode

Shooting Menu 1) White Balance, 2) Exposure Metering,
3) Continuous, 4) Best-Shot Selector, 5) Converters,
6) Image Adjustment, 7) Image Sharpening,
8) Digital Zoom

White Balance 1) Matrix Auto White Balance with TTL
Control, 2) 5-Mode Manual With Fine Tuning

Optical

Focus Range 4-inch to infinity

Lens 4 x Zoom lens, 8mm-32mm (38-152mm in 35mm)

Angle of view	8mm (38mm)	32mm (152mm)
<i>In water</i>	<i>Wide angle</i>	<i>Telephoto</i>
<i>Diagonal</i>	56°	14.4°
<i>Horizontal</i>	46°	11.6°
<i>Vertical</i>	34°	8.7°

Camera Control Interface

Serial Interface	RS232 or RS485
Protocol	ASCII-Based
Baud Rate	9600 standard

Picture Download Communication Interface

USB Interface (115kbps)

Mechanical

Size	Dimensions for 3,000 meter Titanium Housing
Weight : In Air	14 lb. (6.35 kg)
Weight : In Water	6.25 lb. (2.83 kg)
Housing Material	6AL / 4V Titanium
Viewport	Hemispherical Glass (Optically Polished, Water Corrected)
Connector	Customer specified

Environmental

Depth	6,000 meters (20,000 ft) Titanium 3,000 meters, (10,000 ft) Titanium or 1,000 meters Aluminium Housing
Operating Temperature	32 DegF to 104 DegF (0 DegC to 40 DegC)

Optional Companion Flash Unit

Depth	6,000 meters (20,000 ft) Titanium 3,000 meters, (10,000 ft) Titanium or 1,000 meters, Aluminium Housing
Operating Temperature	32 DegF to 104 DegF (0 DegC to 40 DegC)
Strobe Mode	TTL and X-Sync strobe options are available.
Dimensions	Will vary depending on the watt-second rating of the strobe.

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

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Issue February 2005