TONGA SUBSEA CAMERA

ETHERNET
TITANIUM HOUSING
4000 MSW

Description

The Subsea Ethernet Camera is a standalone unit for capturing video and streaming it through Ethernet.

Intuitive web-based user interface for configuration via web browser. Web-interface is accessed by entering the IP address directly into the web browser.

Multi-cast video stream is available for simultaneously streaming to several monitors/destinations.

Features

- Compact Design
- Encoding Latency ~80ms
- Web Browser Configuration Interface
- Titanium Housing
- Adjustable Bandwidth and Resolution
- Output Stream: H264
- Streams via: Unicast or Multicast
- 4000m Depth Rating
- Open API for External Control
- Sapphire Viewport

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SPECIFICATIONS

TONGA SUBSEA CAMERA

General Technical Specifications

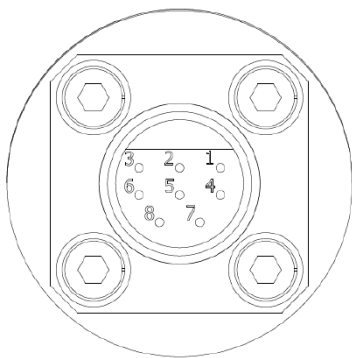|	
Type	Subsea Camera tONGA
Dimensions w/connector	178 mm x 51 mm
Weight in air / submerged	930 G / 630 G
Temperature Operational (ambient)	0 to +40°C
Temperature Storage	-30 to +70°C

Electrical

Supply Voltage	24 VDC (10-30)
Power Consumption	~4 W

Electrical

Benchmark Latency	~80 (from captured picture to presented on monitor)
Depth Rating	4000 m
Field of View	~74° (in water)
Resolution	720P / 1080P
Bitrate	0,6 – 40 Mbps
Video Compression	H264
Dynamic Range	86 dB
Sensor Type	IMX322
Sensor Size	1/2,9"
Minimum Illumination	0,01 Lux

Communication

Ethernet	10 / 100 Mbps
Default IP	10.13.37.243

178

147

51

Glenair 5506-1508
Connector Pinout

1:	0V
2:	24VDC
3:	NC
4:	NC
5:	Eth Tx+
6:	Eth Tx-
7:	Eth Rx+
8:	Eth Rx-

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