

# SPECIFICATIONS

## SUBSEA CAMERA LUMIN



### 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
- Integrated Dimmable LED Light

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### General Technical Specifications

|                                   |    |                     |
|-----------------------------------|----|---------------------|
| Type                              |    | Subsea Camera Lumin |
| Dimensions w/connector            | mm | 187x51              |
| Weight in air                     | g  | ~550                |
| Weights in water                  | g  | ~340                |
| Temperature Operational (ambient) | °C | 0 to +40            |
| Temperature Storage               | °C | -30 to +70          |

### Electrical

|                                |     |               |
|--------------------------------|-----|---------------|
| Supply Voltage                 | VDC | 24VDC (10-30) |
| Power Consumption LED Off      | W   | ~4            |
| Power Consumption LED Fully On | W   | ~15           |

### Performance

|                   |      |   |
|-------------------|------|---|
| Benchmark Latency | ms   | ~80 (from captured picture to presented on monitor) |
| Depth Rating      | m    | 4000  |
| Field of View     | °    | ~100 (in water)                                     |
| Resolution        |      | 720P/1080P  |
| Bitrate           | Mbps | 0.6 - 40  |
| Video compression |      | h264  |

### Communication

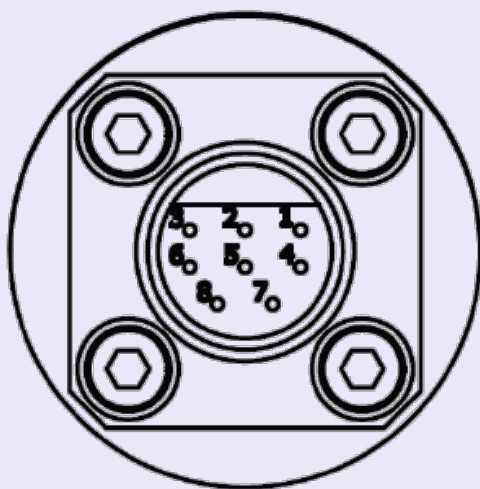
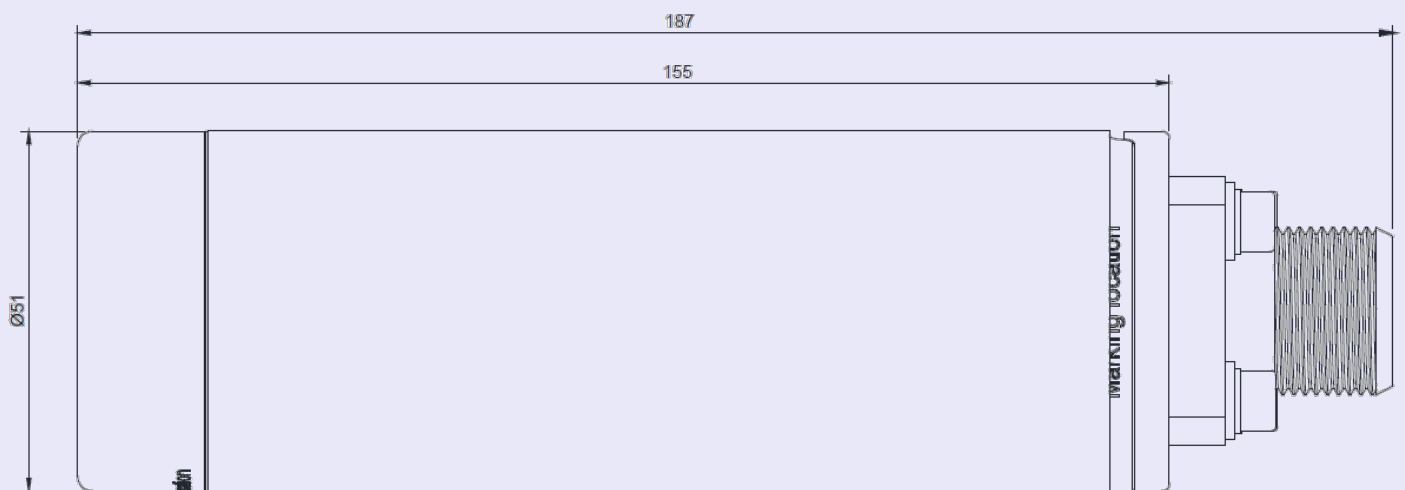
|            |      |              |
|------------|------|--------------|
| Ethernet   | Mbps | 10/100       |
| Default IP |      | 10.13.37.243 |

### Ordering Part Numbers

|                         |                    |
|-------------------------|--------------------|
| Description             | <b>Part Number</b> |
| Subsea Camera Tonga LED | 117188             |

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### 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- | _____ |

