

# LUXUS Compact Long Line Driver Camera



The LUXUS compact long line driver camera is a LUXUS compact camera fitted with a video signal amplifying unit. This unit increases the signal and compensates losses when the camera is used with extensive cable lengths for applications that do not involve telemetry.

Upon request, all LUXUS cameras (except the HD models and PUR models) can be fitted with the long line driver amplifying unit.

The LUXUS compact long line driver camera has a fixed focal length which can be factory adjusted to capture images at very close range. The camera consumes just 2 W and can handle DC power units from 12 to 24 VDC. The camera comes with SubConn® or alternative customer specified connectors.

The LUXUS compact long line driver camera is designed to function perfectly in combination with the LUXUS compact LED and LUXUS compact media controller.

The camera housing is made from sandblasted titanium and has a depth rating of 4,000 metres.

## Features and benefits

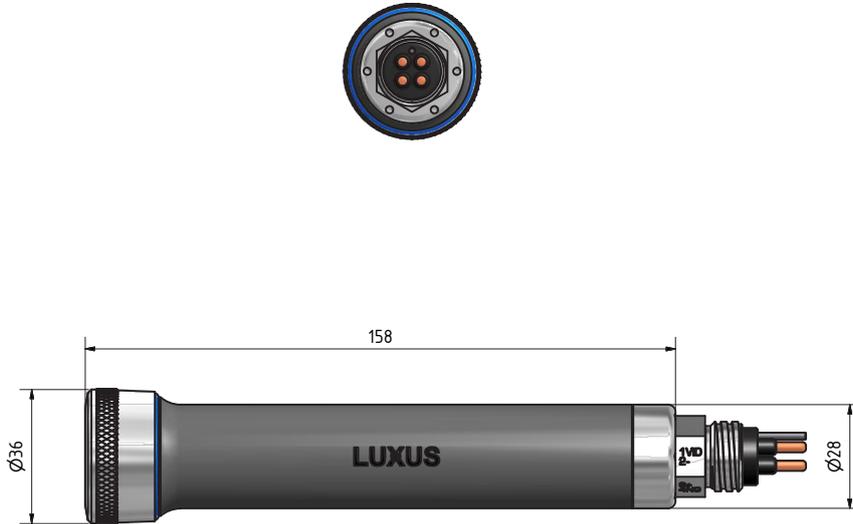
- Lightweight
- Compact
- 4,000 m depth rating
- Able to handle long cable lengths (up to 500 m)

## Applications

- Diving applications
- Extended diver umbilicals
- General underwater inspection
- Tow and drop camera systems
- Benthic sledge systems

## Options

- A range of lenses
- Alternative connectors
- Custom wiring
- NTSC or PAL
- LUXUS helmet mounting bracket
- LUXUS universal mounting bracket
- LUXUS pistol grip bracket
- LUXUS dovetail bracket



## Specifications

### Electrical

|                        |  |
|------------------------|--|
| Power supply:          | 12-24 VDC  |
| Power consumption:     | 2 W  |
| Output:                | Video Composite 1 Vpp                                  |
| Signal to noise ratio: | >52 dB   |
| Standard wiring:       | 1 Video hot<br>2 Power Gnd/screen<br>3 Power +<br>4 NC |

### Mechanical

|                     |   |
|---------------------|---|
| Material:           | Titanium                                  |
| Standard connector: | SubConn® MCBH4M Ti                        |
| Other connectors:   | On request                                |
| Dimensions:         | See drawing (mm)<br>(1 mm = 0.03937 inch) |
| Weight:             | 310 g in air<br>215 g in water            |
| Window/Lens:        | Borosilicate glass                        |

### Optical

|                             |                |
|-----------------------------|----------------|
| Sensor:                     | 2/3" Sony CMOS |
| Angle of view (horizontal): |                |
| Air:                        | 80° or (67°)*  |
| Water:                      | 65° or (54°)*  |
| Sensitivity:                | 0.1 lux        |
| Min. focus distance:        | 10 cm          |
| Zoom:                       | No             |
| Iris:                       | No             |
| Focus:                      | No             |
| TV lines:                   | 1,000          |

### Environmental

|                        |               |
|------------------------|---------------|
| Depth rating:          | 4,000 m       |
| Test pressure:         | 600 bar       |
| Storage temperature:   | -30 to +70 °C |
| Operating temperature: | -10 to +50 °C |

\*optional