



# LUXUS Low Light Camera



The LUXUS Low Light Camera is designed for underwater conditions where light is limited and is ideal for use with ROV applications.

When deployed in harsh and turbid environments, the black and white sensor offers high light sensitivity, image quality and viewing performance.

The LUXUS Low Light Camera has a zoom function and can be adjusted for focus, white balance, iris and a number of other settings. Focus and white balance also have auto settings. Camera functions can be controlled with the supplied software or as hard wired.

The LUXUS Low Light Camera consumes just 6.5 W and can handle a wide range of DC power inputs from 9 to 36 VDC. It can be supplied with various output types, including Composite Y, and is delivered with SubConn® or alternative customer specified connectors.

The camera housing is made from sandblasted titanium and has a depth rating of 4000 metres.

## Features and benefits

- High performance in turbid environments
- Numerous adjustable settings
- Easy integration with existing systems
- 4000 m depth rating

## Applications

- General underwater inspection
- Harbour inspection
- ROV systems
- Trencher systems
- Crawler systems
- Tow and drop camera systems
- Benthic sled systems
- Underwater observatory systems
- Diving applications
- Winch and deck monitoring

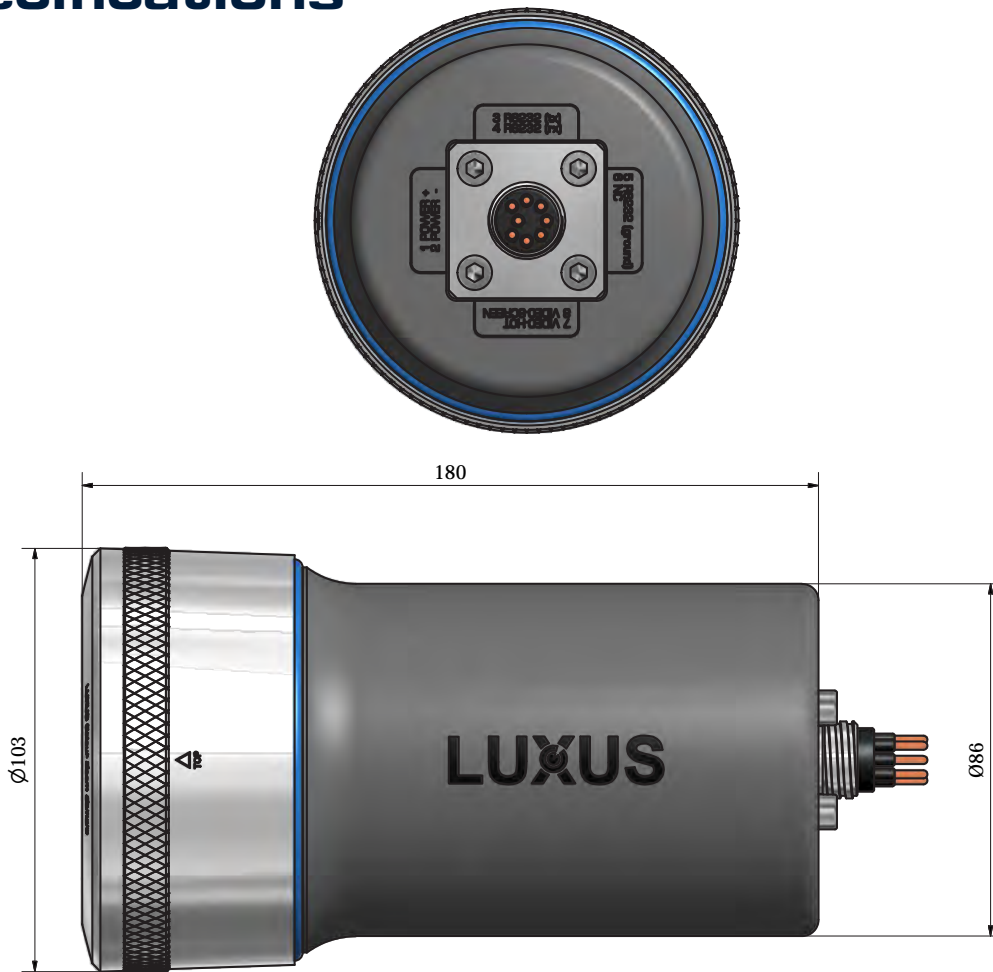
## Options

- Alternative connectors
- Custom wiring
- NTSC or PAL
- LUXUS universal mounting bracket
- LUXUS Long Line Diver
- RS485 communication

For pricing or any further information, please contact Omni Instruments Ltd.



# Specifications



<b>Electrical</b>		<b>Optical</b>	
Power supply:	9 - 36 VDC	Sensor:	1/3" Super HAD CCD II BW
Power consumption:	6.5 W	Angle of view water (horizontal):	
Output:	Video Composite 1 Vpp	Lens 1:	4.0° tele - 37.5° wide
Signal to noise:	>50 dB	Lens 2:	6.0° tele - 62.0° wide
Control options:	RS232 – options on request	Angle of view air (horizontal):	
Standard wiring:	1 Power +	Lens 1:	5.4° tele - 52.0° wide
	2 Power Gnd	Lens 2:	8.0° tele - 84.0° wide
	3 RS232/RS485 Tx	Sensitivity:	0.0004 lux
	4 RS232/RS485 Rx	Recommended illum.:	>0.015 lux
	5 RS232 Gnd	Zoom:	10 x optical, 12 x digital
	6 NC	Iris:	Manual or automatic
	7 Video hot	Focus:	Manual or automatic
	8 Screen	White balance:	Manual or automatic
<b>Mechanical</b>		TV Lines:	530
Material:	Titanium	<b>Environmental</b>	
Standard connector:	SubConn® FCR1508M Ti or SubConn® 75CXBH6M	Depth rating:	4000 m
Other connectors:	On request	Test pressure:	600 bar
Dimensions:	See drawing (mm)	Test pressure FAT:	100 bar
Weight:	2500 g in air	Storage temperature:	-30 to +70 °C
	1325 g in water	Operating temperature:	-10 to +50° C
Window/Lens:	Borosilicate glass		

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