

# 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 4,000 metres.

## Features and benefits

- High performance in turbid environments
- Numerous adjustable settings
- Easy integration with existing systems
- 4,000 m depth rating

## Applications

- General underwater inspection
- Harbour inspection
- ROV systems
- Trencher systems
- Crawler systems
- Tow and drop camera systems
- Benthic sledge 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



## Specifications

### Electrical

Power supply:	9 - 36 VDC
Power consumption:	6.5 W
Output:	Video Composite 1 Vpp
Signal to noise:	>50 dB
Control options:	RS232 – options on request
Standard wiring:	1 Power + 2 Power Gnd 3 RS232/RS485 Tx 4 RS232/RS485 Rx 5 RS232 Gnd 6 NC 7 Video hot 8 Screen

### Mechanical

Material:	Titanium
Standard connector:	SubConn® FCR1508M Ti or SubConn® 75CXBH6M
Other connectors:	On request
Dimensions:	See drawing (mm)
Weight:	2,500 g in air 1,325 g in water
Window/Lens:	Borosilicate glass

### Optical

Sensor:	1/3" Super HAD CCD II BW
Angle of view (horizontal):	
Air:	8.0° tele - 84.0° wide
Water:	6.0° tele - 62.0° wide
Sensitivity:	0.0004 lux
Recommended illum.:	>0.015 lux
Zoom:	10 x optical, 12 x digital
Iris:	Manual or automatic
Focus:	Manual or automatic
White balance:	Manual or automatic
TV Lines:	530

### Environmental

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