

LUXUS HD Inspection Camera



The LUXUS HD inspection camera is designed for use with ROV systems and is ideal for use in combination with the LUXUS power LED.

This high-definition camera is able to receive control functions as digital zoom, iris, white balance, etc. by means of the inbuilt OSD menu. The menu can be accessed via a hardwired connection.

The camera is equipped with a fixed focus lens and is instantly ready for use when powered on.

The LUXUS HD inspection camera consumes just 4.5 W and can handle a wide range of DC power inputs from 9.5 to 36 VDC. The camera comes 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

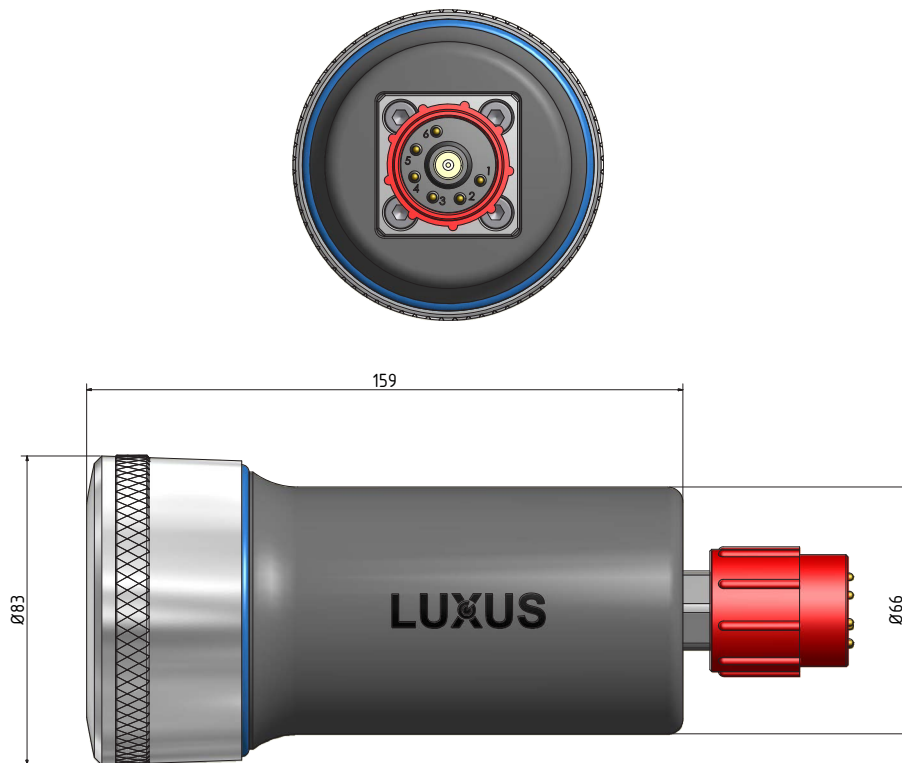
- High performance
- Full HD image quality
- Digital zoom function
- Numerous adjustable settings
- 4,000 m depth rating

Applications

- General underwater 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
- LUXUS universal mounting bracket



Specifications

Electrical

Power supply:	9.5-36 VDC
Power consumption:	4.5 W
Output:	HD-SDI
	1080P - 30/25 fps
Signal to noise ratio:	>52 dB
Control options:	On screen display
Standard wiring:	1 power+
	2 power-
	3 OSD menu/set
	4 OSD right
	5 OSD down
	6 OSD left

Mechanical

Material:	Titanium
Standard connector:	SubConn® Coax Connector HF75CXBH6M Ti
Other connectors:	On request
Dimensions:	See drawing (mm) (1 mm = 0.03937 inch)
Weight:	1,700 g in air 1,075 g in water
Window/Lens:	Borosilicate glass

Optical

Sensor:	1/3" CMOS
Angle of view (horizontal):	
Air:	85°
Water:	55°
Sensitivity:	0.5 lux
Recommended illum.:	>100 lux
Zoom:	Digital
Iris:	Automatic
Focus:	Fixed
White balance:	Manual or automatic
TV lines:	HD output (2 Mpix)

Environmental

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