

LUXUS Compact PUR Camera



The LUXUS compact PUR (polyurethane) camera is a low-cost colour camera which is ideal for underwater operations. This light sensitive camera has a fixed focal length which can be factory adjusted to capture images at very close range. It can be equipped with different lenses for various angles of view.

The camera consumes just 2 W and can handle DC power voltage from 12 to 24 VDC.

The LUXUS compact PUR camera is designed to function perfectly in combination with the LUXUS compact LED and LUXUS media controllers.

The camera housing is made from PUR. Equipped with a PMMA lens, the camera has a depth rating of 200 meters.

The camera comes with a 0.6 m open end cable or terminated with a SubConn® or alternative customer specified connector.

Features and benefits

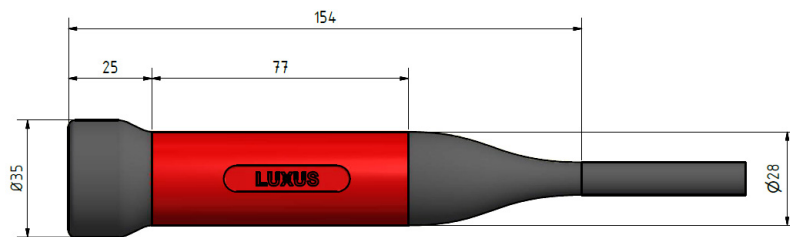
- Lightweight
- Compact
- 200 m depth rating

Applications

- General underwater inspection
- Diving applications
- ROV systems
- Trencher systems
- Crawler systems
- Tow and drop camera systems
- Benthic sledge systems
- Underwater observatory systems
- Winch and deck monitoring
- Monitoring monopoles
- Observatory systems

Options

- A range of lenses
- Alternative connectors
- Custom wiring
- 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 PAL
Signal to noise ratio:	>52 dB
Standard wiring:	1 (brown) video hot
(brackets = open end)	2 (blue) power Gnd/screen
	3 (black) power +
	4 (grey) NC

Mechanical

Material:	PUR (polyurethane)
Standard connection:	0.6 m pigtail with open end
Other connections:	MCIL4M with locking sleeve or other connectors on request
Dimensions:	See drawing (mm) (1 mm = 0.03937 inch)
Weight:	180 g in air 90 g in water
Window/Lens:	PMMA

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
TV lines:	1,000

Environmental

Depth rating:	200 m
Test pressure:	50 bar
Storage temperature:	-30 to +70 °C
Operating temperature:	-10 to +50 °C