

LUXUS High Definition Ethernet Camera



The LUXUS High Definition (HD) Ethernet Camera is designed for easy integration with underwater vehicles, systems and sensor platforms. The camera is ideal for use in combination with the LUXUS Power LED.

Since most industry standard underwater telemetry units, including MacArtney NEXUS multiplexers, feature one or more Ethernet ports, the reliable and user friendly Ethernet enabled HD interface provided by the LUXUS HD Ethernet Camera is often preferred by system integrators.

The LUXUS HD Ethernet Camera is equipped with a zoom function and can be adjusted for focus, white balance, iris and a number of other settings. The LUXUS High Definition Ethernet Camera consumes just 6 W and can handle a wide range of DC power inputs from 9 to 36 VDC. The camera 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

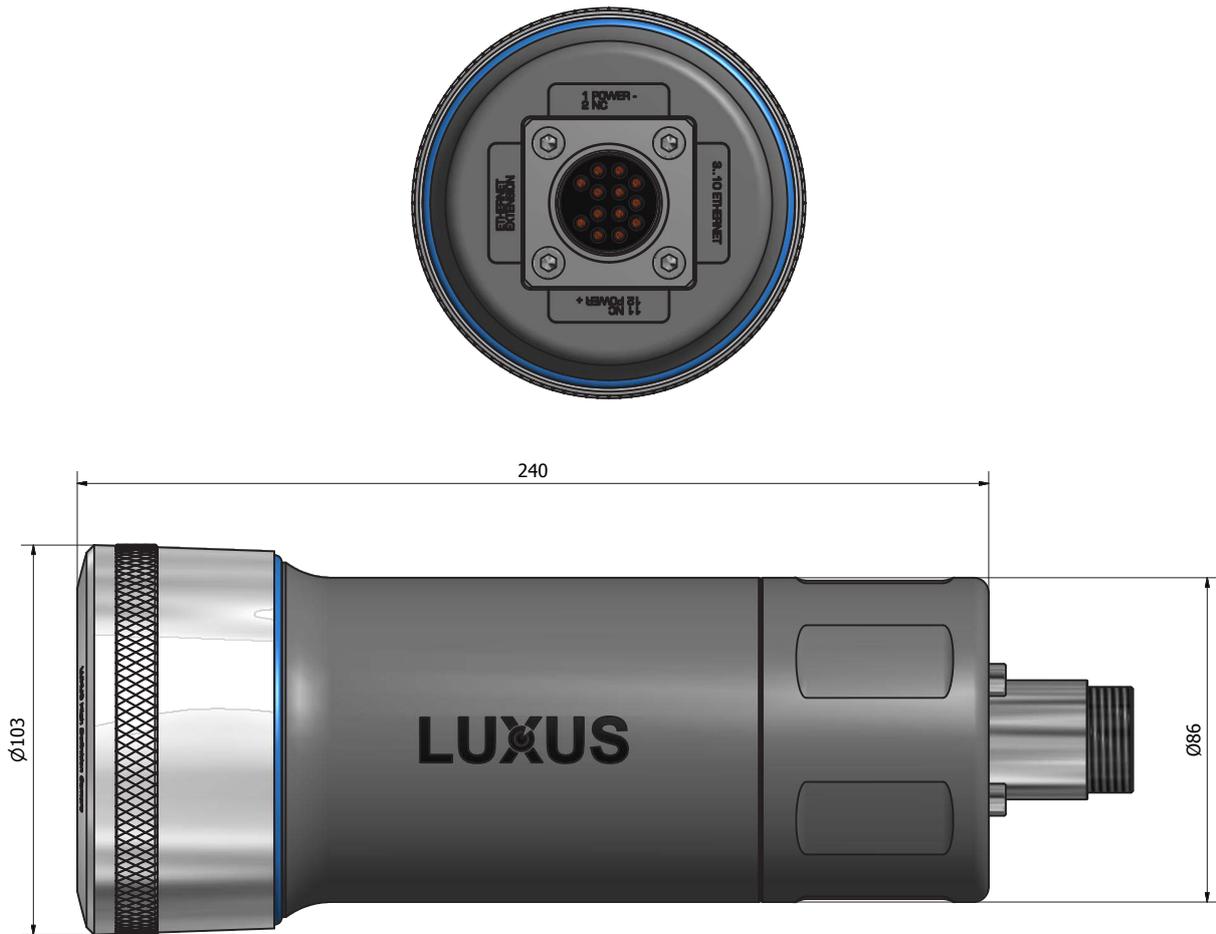
- Easy integration with existing systems
- Full HD image quality
- Zoom function
- Reliable and user friendly interface
- Numerous adjustable settings
- 4,000 m depth rating

Applications

- General underwater inspection
- ROV systems
- Trencher systems
- Crawler systems
- Tow and drop camera systems
- Benthic sledge systems
- Underwater observatory systems
- Winch and deck monitoring

Options

- Alternative connectors
- Custom wiring
- LUXUS universal mounting bracket



Specifications

Electrical

Power supply:	9 - 36 VDC
Power consumption:	6 W
Output:	Ethernet GbE
Signal to noise ratio:	>52 dB
Control options:	Ethernet control

Mechanical

Material:	Titanium
Standard connector:	SubConn® ethernet connector
Other connectors:	On request
Dimensions:	See drawing (mm)
Weight:	2,900 g in air 1,633 g in water
Window/Lens:	Borosilicate glass

Optical

Sensor:	1/3" Exview HAD CCD
Angle of view (horizontal):	
Air:	8.0° tele - 82.0° wide
Water:	6.0° tele - 61.0° wide
Sensitivity:	1 lux
Recommended illum.:	>100 lux
Zoom (120x):	10 x optical, 12 x digital
Iris:	Manual or automatic
Focus:	Manual or automatic
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