

Light HD GiGE Camera

The SMART CAM HD 2000 & 6000 designed by FORSSEA ROBOTICS is a fixed focus High Definition Camera adapted for advanced subsea vision applications. The camera is ideal to equip ROV/AUV systems for underwater photogrammetry or stereo embedded vision. The focal length is easily adjustable to capture images at very close range.



-  Computer Vision
-  Plug & Play
-  Artificial Intelligence
-  3D & Stereo Vision

ELECTRICAL

Voltage	10-32Vdc or PoE
Power	3W maximum
S/N ratio	< 41Dh
Standard wiring	SUBCONN DBH13M 13 pin CRE BRB12M 12 pin
Data Transfer	Ethernet GiGE

MECHANICAL

Housing Material	Hard Anodized Aluminium 5083h12 / Titanium Gr5 TA6V (6000m)
Lens Material	Sapphire glass
Weight (air/water)	650g/300g (Al) / 950g/600g (Ti)
Dimensions	L = 197mm (w/ connector) D = 54mm

OPTICAL

Sensor	Sony 1/1.18" CMOS Colour (IMX265)
Absolute sensitivity threshold (γ)	18.07
Resolution	Up to 2056 x 1542 px / 3.2Mpx / 30 fps
Standard focal distance	4.5mm
Control	IP control and configuration
Angle of view (in air)	90° (D) / 78° (H) / 62° (V)
Calibration	Certified Laboratory Calibration (option)

ENVIRONMENTAL

Depth rating	2000m (Al) / 6000m (Ti)
Storage temperature	-20°C to 60°C
Operating temperature	0°C to 45°C