



Goblin^M

High Quality ultra-compact overview camera

Benefits

- AI Capabilities
- H.265 Encoding
- Up to 142° AOV
- 6000msw Depth Rating

Applications

- General Observation & Situational Awareness
- Manipulator & Tooling Tasks
- Mid-Water Navigation Tasks

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Overview

The Goblin^M introduces the next generation of subsea imaging with our MillieOne encoder, built upon the renowned SubVIS platform. This encoder brings advanced AI capabilities to the industry, including object detection, optical character recognition, and ArUco code reading. As our most sophisticated encoder to date, MillieOne sets a new benchmark for intelligent subsea technology.

Imenco's philosophy is rooted in open architecture, similar to the approach that transformed smart phone technology. This ensures full integration with third-party control systems and gives users the freedom to develop custom software applications. You can tailor the system to meet your specific operational requirements, adding video analysis algorithms, image enhancement tools, and other functionalities on top of the core software.

The Goblin^M is a compact subsea camera designed for high-performance imaging in extreme environments. Equipped with a 1/2.6" CMOS sensor and global shutter, it delivers smooth 1080p video at up to 60 fps with minimal latency (150 ms). Its fixed lens offers an ultra-wide in-water view of up to 142° diagonal, ensuring full coverage even in low light (<0.1 lux).

Housed in titanium and depth-rated to 6000 msw, the Goblin^M combines durability, clarity, and seamless ethernet control for critical underwater operations. Full ethernet connectivity with advanced protocols and Imenco API/ONVIF control provides seamless integration, and with a glass-to-glass latency of just 150 ms, real-time performance is guaranteed. Compact and lightweight, the Goblin^M combines durability, precision, and reliability for critical subsea missions.

Technical Spec

Video Resolution	1080p@60/50/30/25, 720@60/50/30/25 (H.264 H.265)
Image Sensor	1/2.6" CMOS Sensor
Shutter type	Global Shutter
Minimum Scene Illumination	<0.1 Lux Colour / <0.05Lux Monochrome
Protocols	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, UPnP, RTP, RTSP, RTCP, DHCP, ARP, zero config
Latency (Glass to Glass)	150ms
Time Sync	NTP
Control	Imenco API'S / ONVIV S
Lens	Fixed
Front Port Type	Dome BK7 (flat port also available with reduced AOV)
AOV in water	3.6 Lens- 100°dia / 92° hor 2.9 Lens- 113°dia / 106° hor 1.8 Lens- 142°dia / 137° hor
Power Requirements	24 VDC (10VDC – 36VDC) 5W
Standard Connector	Subconn DBH13 / Seacon 5506-1508
Depth Rating	6000 msw
Housing	Titanium
Dimensions	Diameter: 74mm main Body (79mm Front End) Length 156mm (excl. connector).
Weight	In water: 0.4 Kg In air: 1.3 Kg