



Blue^M

Next level performance for the harshest environments

Benefits

- AI Capabilities
- H.265 Encoding
- 10:1 Zoom Lens
- 6000msw Depth Ratings

Applications

- Inspection and Survey
- General Observation Tasks
- IMR Tasks
- Drill Support

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Overview

The Blue^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 Blue^M colour zoom camera is engineered for subsea environments, making it ideal for inspection, survey, observation, construction, and drill support tasks. Its unique optical design delivers an exceptionally wide 81° diagonal field of view, while the 10:1 zoom lens ensures sharp focus from the front port to infinity, perfect for both close-up and stand-off inspections.

Housed in a robust titanium alloy rated to 6000 msw and equipped with full ethernet control, the Blue^M combines durability with advanced imaging performance.

Technical Spec

Video Resolution	1080p@60/50/30/25, 720@60/50, 576p@50/25 (H.264 H.265)
Image Sensor	1/2.8" TypeSTARVIS2CMOS Sensor (Approx 2.13M Pixels)
Shutter type	Rolling Shutter
Minimum Illumination	0.1 Lux (1/30sec, F1.8, 50% Colour), 0.025 Lux (1/30sec, F1.8, 50% B&W)
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
Optical Zoom	10:1
Front Port Type	Water corrected lens system
AOV in water	Diagonal: 81° Horizontal: 73°
Power requirements	24 VDC (10VDC – 36VDC) 10W or POE
Standard Connector	Subconn DBCR2013M / Seacon 5506-1508
Depth Rating	6000 msw
Housing	Titanium
Dimensions	Diameter: 74mm main Body (102mm Front End) Length 189.6mm (excl. connector)
Weight	In water: 2.5 Kg In air: 3.6 Kg