

UNI-CAM

Survey Equipment



Unique Group has developed the Uni-Cam which is a self-cleaning underwater camera system which has a high-definition pan and tilt zoom camera that can be powered from the shore using underwater cable to record video and sensor data at any chosen location on the coast.



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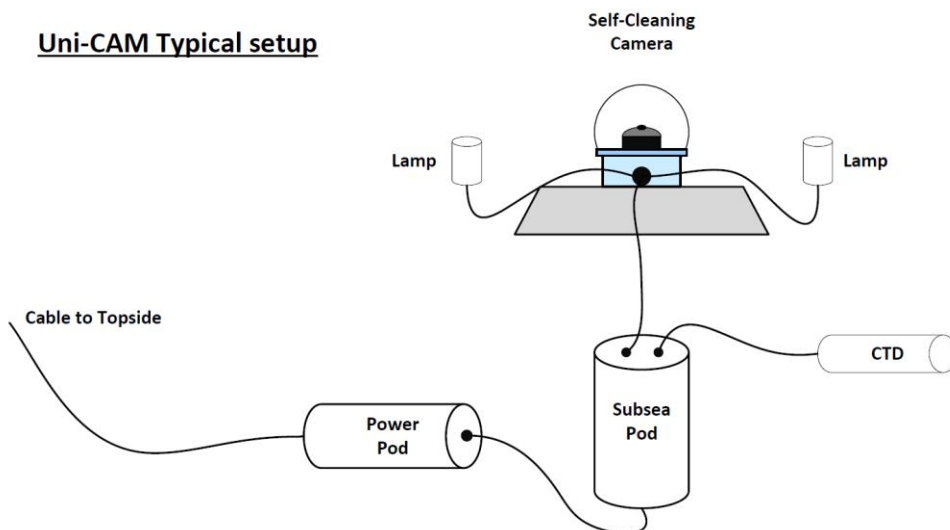
The OE12-522 camera is a proven HD PATZ camera widely used underwater camera around the world. The camera is housed inside a glass dome structure to provide a close-up view combined with a capability combined with the flexibility of a 10X magnification for standoff views.

The dome is a precision machined glass, omega dome which has a custom-made self-cleaning hydro-wiper arrangement. The rubber wiper is independently set with cleaning cycles and uses a gentle wiping action to keep the optical window clean from bio-fouling and other unwanted deposits such as mud.

KEY FEATURES

- Unique 230° optical viewing angle
- 10:1 optical zoom lens
- Multi-standard video capability
- Domed port and optical zoom provide a close-up inspection capability
- Smooth belt driven Pan and Tilt mechanism
- Provides accurate and infinitely variable speed control head movement.
- Wiper assembly is self-contained and independently powered.

Uni-CAM Typical setup





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SPECIFICATIONS

Focus control	Front Port to infinity (wide angle) 800mm to infinity (narrow angle)
Zoom	10 X Optical
Angle of view in water	5.3° to 50° - Diagonal 4.7° to 45° - Horizontal 3° to 29° - Vertical
Pan and tilt	+/- 110° (both) With these features it has a unique optical viewing angle of 220°.
Water depth	4,500 meters
Horizontal resolution	800 TV Lines per picture height
Picture elements video	1920 (H) x 1080 (V)
Power input	Constant Voltage 16V-24vdc - 1A max.
Video output	HD Component Y/Pb/Pr, HD-SDI - coax or fibre optic
Standard video formats	1080i 50Hz or 60Hz Component, 720P 50Hz or 60Hz Component, PAL or NTSC Composite (Selected by IR or GUI)
Weight	6.7 Kg in Air, 3 Kg in Water

Unique Group



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