

## UNDERWATER HD ZOOM VIDEO CAMERA

### Seaspy Model HD-CZ

This camera has been designed for long term immersion in water to depths of up to 500 metres.

The camera sends a crystal clear HD video signal at 720p or 1080p over cables in excess of 200 metres long.

A 10 x optical zoom lens with an additional 30 x digital zoom can be used to frame the ideal picture.

Focus can be set to automatic or manual.

A small control and Interface box at the surface end of the underwater cable provides control of the camera functions and conversion to other video formats if required. Control buttons can be provided to adjust zoom, focus and iris settings with a save to memory button that will ensure that the same settings are preset next time the camera is powered up.

Alternatively, a model SS-CPE Pelco interface box can be supplied to allow integration with other systems.

An HD-TVI video signal is sent through the underwater cable to the surface Interface box for connection to recorders or monitors as required. A video converter can be fitted in the box to provide alternative HD formats such as HDMI or VGA as required. Conversion to broadcast frame rates is also available.

The pressure housing is fitted with a scratch resistant window and the metallic parts are machined from solid Titanium to eliminate corrosion even when permanently immersed in seawater.

A number of different underwater connectors or penetrators can be fitted to suit the application. Underwater connectors require at least six pins for connection of power, control and video. If disconnection at the camera is not required, the underwater cable can be moulded directly to a straight or right angled penetrator .



SEASPY Model HD-CZ UNDERWATER HD CAMERA SPECIFICATION	
Dimensions	62mm dia x 103mm long. (2.5in dia x 4in long)
Weight	630gm in air / 410gm in water (1.3lb / 0.9lb)
Operating Depth	500 Metres / 1640 feet
Lens	10x optical zoom / up to 32 x digital zoom
Minimum Light	0.5 Lux
HD Video	HD-TVI 720p @ 50 / 60 fps or 1080p @ 25 / 30fps
Broadcast Option	Frame rate conversion to broadcast frame rates
Video Option	HDMI or VGA via integrated converter
Power Required	15-24 vdc / 350mA (AC option if preferred)

Underwater video systems are available in a number of configurations and with control options to suit a range of tasks from inspection to aquaculture – please visit our web site at [www.submertec.co.uk](http://www.submertec.co.uk) to view these together with other Submertec products.