

HD INSPECTION SUPER SPYBALL

Model SSB-HDI

Now with Ultra Low Light Colour Camera.



Submertec's revolutionary Spyball combines a remote control underwater video camera with pan and tilt unit in one compact assembly that can rotate to look in any direction without restriction.

The Inspection Super Spyball incorporates high intensity LED lighting with 10X Zoom Colour Camera and features twin Laser pointers as an aid to estimating object size.

The new Super Spyball is a completely new development that builds on the success of the original version but with significant changes to enhance performance, reliability and functionality. **(They are NOT interchangeable)**

Positional feedback on the pan and tilt motors provides the ability to move the camera by angle as well as speed. Pan and tilt speed is automatically reduced as the lens is zoomed in to ensure fine positioning even when zoomed in.

Left / right and up / down limits can easily be set as required. Multiple camera positions can be saved as presets together with zoom and focus settings for automatic return as required.

This model is fitted with an ultra-low light colour zoom camera with a 1080p HD-TVI video signal for use with cables up to 200m long.

An integrated depth sensor option can display up to 100 meters with 20cm resolution.

Control of all Super Spyball functions is via Pelco-D protocol and additional non standard commands are incorporated to access special features that are not included in standard Pelco-D. Control is also available using Modbus.

Text can be embedded in the picture to identify camera location, number etc.

Improved shaft design and seals have been combined with internal water and humidity detection to provide on-screen advance warning that maintenance is required.

External Spyball parts are machined from solid Titanium and blue Acetal Co-Polymer to ensure long and corrosion free service in seawater. Use of an 8 pin wet mateable connector allows the cable to be connected even in adverse weather or underwater if necessary.

Inspection Spyball control unit model SS-CPI-2 with integrated HD DVR and 17.3" sunlight viewable, wide screen display has been developed to make full use of its unique features.

The SS-CPE Pelco Interface Unit is also available to provide power and RS485 Pelco control. An integrated converter provides HD-TVI and HDMI outputs for display and record.



SUPER SPYBALL Model SSB-HDI SPECIFICATION

Dimensions	160mm diameter sphere. (6.3 inches)
Weight	3.2Kg / 7.0lb in air 1.0Kg / 2.2lb in water
Operating Depth	300 Metres /1000 feet (500m pressure limit)
Movement	360 degree both axis—variable speed
HD Video	1080p / 720p @ 25fps or 30fps
Video format	HD-TVI
Lens	10x optical zoom / up to 32 x digital zoom
Min Illumination	0.003 lux
Control Protocol	Pelco-D or Modbus via RS485
Baud rate	9600 as standard (2400-115200 available)
Power Required	24vdc / 40W max

Spyballs 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 to view these together with other Submertec products.

