

# Surveyor SD II

## Subsea Colour Zoom SD Video

The Bowtech Surveyor SD II is a standard definition analogue video camera with selectable NTSC and PAL formats outputting a 16:9 aspect ratio picture. It has a 30:1 optical zoom and is designed to carry out detailed video inspection work with its close-up video capabilities.

The camera has a 72° wide viewing angle and range of light sensitivity controls, including manual and automatically adjustable focus and iris settings. The camera comes complete with a true wide dynamic range to maximise video quality in a low-light environment.

The Surveyor SD II camera is rated to 4,000m with a sapphire window. The titanium housing is offered with a choice of subsea connectors and wiring configurations.



*Workclass ROV*

The initial camera set up is easily managed via the supplied Bluetooth Android controller. The operational functions offered with this feature-packed camera can be controlled by a single wire/tristate or via the Bowtech camera control software supplied with the camera. A user selectable RS-232/RS-485 coms interface is available for connecting to either a laptop or PC.



This SD subsea camera is ideal for colour inspection and observation tasks and is part of a family of products that produce detailed video images for use on many different types of subsea applications and vehicles across the world's oceans.

Please contact a member of our sales team to discuss your specific requirements when ordering this camera, including your connector, Video output aspect ratio option and wiring configuration.

### Product features and benefits

- Wide-angle SD camera for subsea inspection work
- 16:9 aspect ratio display setting
- 4000m depth rating
- Titanium housing and sapphire glass window
- Selectable PAL and NTSC video output formats
- 30:1 optical zoom feature for great close-up detail.
- Range of user selectable control functions



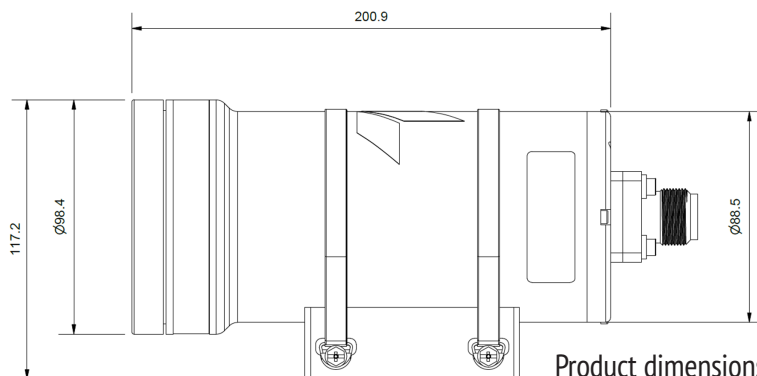
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# Surveyor SD II Subsea Colour Zoom SD Video Camera

## SPECIFICATIONS

<b>Electrical:</b> Voltage	11Vdc to 30Vdc
Power	9.6W
Video output signal	CVBS/YC
Connectors	Range of connectors available
Control method	RS-232, RS-485, Tristate, 2-wire bipolar
Camera Set Up	Bluetooth (via supplied Android controller)
Display setting	16:9 aspect ratio
<b>Optical:</b> Sensor	1/2.8"
Resolution	1920 x 1080 pixels (max.)
Sensitivity	0.1lx (scene)
Active pixels	2.13MP
Signal to noise ratio	>52dB
Lens	Tele: 5.0-150mm @ F1.6-4.3
Optical zoom	30:1
Focus	Front window to infinity (wide)
Angle of view in water	Diagonal: 72°, horizontal: 65°, vertical: 39°
<b>Mechanical:</b> Housing/window	Titanium Grade 5/sapphire glass
Dimensions	Ø98.4mm (widest point) x length 200.9mm (excluding connector)
Weight in air/water	2.70kg/1.35kg
<b>Environmental:</b> Water depth rating	4000m
Storage temperature	-20 to +60°C
Operating temperature	-5 to +50°C
Shock	3 axis (operating), 30g peak, 6ms half sine pulse
Vibration	3 axis (operating), 10g, 20 to 150Hz
EMC	BS EN IEC 61000-6-4:2019, BS EN IEC 61000 6 2:2019, BS IEC 60533:2015
RoHS	Directive 2011/65/EU



Product dimensions (reference only)



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