



Precision Subsea Electronics Ltd

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Fixed Camera

The fixed camera is a basic subsea housing which can have a camera sensor to suit user requirements, e.g:

- high sensitivity monochrome for low light
- high resolution colour for use in clear water
- now also available as High Definition with 1080p resolution and multiple surface controllable functions
- choice of lenses available

rated to 500 metres water depth and fitted with industry standard sub-sea connector and interchangeable with other cameras in the Precision Subsea range.

The fixed camera is smallest subsea camera in the range making it suitable for operating in confined spaces.



Specification

All Models	
Pressure	Rated to 500 Metres
Housing Material	Delrin
Dimensions	56mm x 180mm
Weight (in air)	500 gram
Data Control and Output Sensor	RS232 / RS485
Connection Type	Birns BH8M

Camera Specifications	Comp	Hi def
Lens	4.3mm 78° Angle of View	3M 3.6mm Fixed Board Lens
Sensor	1/3" Sony HQ1 Ex-view HAD CCD	1/2.9" Sony 2.3M CMOS Sensor
Resolution	550 TVL	AHD 1080P@30/25fps
Total Pixels		2000(H) X 1121(V) approx. 2.24M Pixels
Effective Pixels	PAL / CCIR 752 (H) x 582 (V)	1984(H) X 1105(V) approx. 2.19M Pixels
Shutter Speed	1/50 ~1/100,000	Auto / Manual (1/30(1/25) ~ 1/60,000) / Flicker
Min Illumination	0.1 Lux at F2.0	Colour DSS: 0.002 Lux / BW DSS : 0.001 Lux
S/N Ratio	>50dB (AGC OFF)	≥80dB
SENS Up		x2 / x4 / x8 / x16 / x32
Day & Night	Colour to B&W @4-5 Lux 850nm IR Sensitive	Auto / COLOUR / B&W / EXT
White Balance	Auto / Manual (2100°K ~ 9100°K)	Auto / Auto Ext / Preset / Manual
Mirror	no	Off / H / V / H&V
D-Zoom	no	x1 ~ x8
DNR (Digital Noise Reduction) (3D + 2D)	Yes	Off / Low / Middle / High
DEFOG		Off / On
Wide Dynamic Range D-WDR / BLC / HLC	Yes	Off / WDR(Low / Middle / High) / BLC / HLC
Coaxial Communication	N/A	Pelco-C Protocol or OSD Control
Language	N/A	ENG, GER, FRA, ITA, SPA, POL, RUS, POR, NED, TUR
Video Output	Composite	AHD. CVBS

Other System Parts	
Subsea Cables	Copper or Fibre optic
Surface to Shore	Fibre Optic or Wifi
Positioning Winch	Compact Winch or Dual Winch
Power options	Wind Turbine, Solar, Portable System
Portable Control and Monitoring	Portable System