

NOVASUB CAMSS underwater color video camera

The Novasub CAMSS video camera is a stainless steel housed low cost mini robust underwater color video camera with a fixed wide angle lens of 2.5 mm. The 2.5 mm lens gives a 63 deg. openings angle underwater which is ideal to come close to the object in poor visibility water. The camera has a built in bracket ring which can be fixed to a bracket with 2 x M4 screws. Due to the ring bracket the camera can easily be positioned horizontal. The output is standard as a video line driver which makes it possible to run the video signal over 400 m of twisted pair cable.

- **Small housing**
- **Extreme ruggedized**
- **Fully Kirby helmets & bandmask compatible**

Applications:

- **Diver helmet mount**
- **Fixed installations**
- **Drop down systems**
- **Rov systems**
- **CCTV systems**

Specifications:

Working depth: 1000 meters
 Test Depth: 1250 meters
 Material: SS 316
 Connector: Subconn/Birns, MCBH4M (or other if required)

Camera module specifications:

Image Pick-up Device	1/3" Sony Color CCD
Horizontal Resolution	420 TV Lines
Number of Pixels	PAL:500(H)×582(V)
Scanning System	PAL:625 Lines 50 Field/sec
Sync System	Internal Synchronization
Electronic Shutter Time	PAL 1/50~1/100,000Sec
Usable Illumination	0,8 Lux(F:2.0)
Lens	Board Lens 2.5 mm/F2.0
Field of View (FOV) underwater	Horizontal 63° - vertical 52°, at 1 m distance area = 1,2x1 m
Video Output	Video line drive (over twisted pair) or 1.0Vp-p 75 ohm (coax)
Gain Control(AGC)	Auto
Power Supply	10-27 vdc ±10% 200mA
Dimensions:	120 mm x ø 33 mm
Weight :	450 gr. (In air), 335 gr. (In water)
Connection for mounting:	2x M4 x 5 mm thread on the side at the back of the housing.
Operating Temp.	In water -10°C - +40°C
Optional:	- Configured for video over Coax - 3.6 mm lens
Options:	- Kirby Morgan diver helmet bracket - Video line driver circuit plus power control - Combination control circuit with NovaSub Mini-LED light - Also Available in Hard Anodised Aluminium



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