

A Unique High Definition Diver Hat Camera

Works over existing umbilical TWP, Coax or Ethernet.

The NETmc Marine DVCiD-2 is a true and independent High Definition camera for divers to use either hat mounted or hand-held.

Video is encoded subsea and transmitted at such low data rates that it can be sent over Ethernet, or alternatively, any unused copper Twisted Pair or Coax. This allows the camera to be connect directly to existing 4 pin diver camera connections on the diver excursion tether, thus reducing the cost of system upgrades.

This updated version of the camera does away with the clumsy external electronics pack normally associated with diver HD cameras, as all electronics are now contained in the camera.

At the surface the Ethernet data is available for viewing over the LAN or for interfacing to a NETmc Marine DVR for recording and insertion of video overlay . If using TWP or Coax, the signal passes through a LAN converter.

As it is integrated with a DVR, the footage can then be part of your Inspection project using third party inspection software such as Coabis, Elementz, Nexus or Apollo.

If you are looking to upgrade to HD, or have old or unsupported camera systems or conductors that no longer support analogue video, then the DVCiD-2 is just the solution you have been looking for.

The DVCi proven to work over umbilical which struggled to carry a composite video signal and still produce crisp sharp HD footage.

Works over:

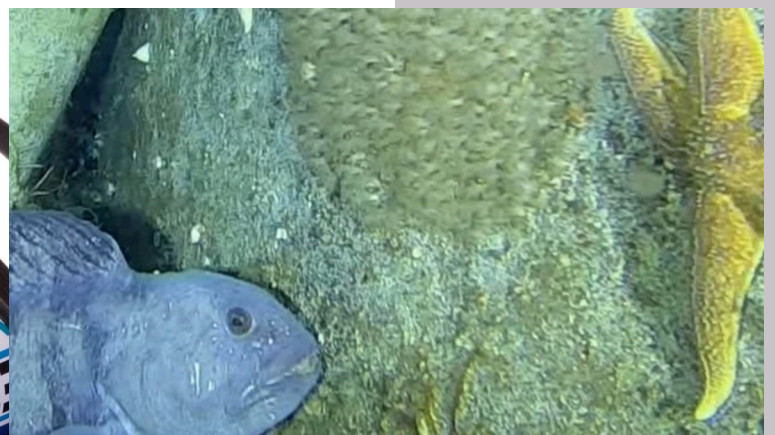
- Existing umbilical
- Ethernet
- Twisted pair
- Coax

Benefits:

- Low cost upgrade
- No external pack
- Compact size
- Light weight
- DVR Interface

Works with:

- Elementz
- Coabis
- Nexus
- Apollo
- Digital Dive Log



DVCiD-2 HD Diver camera

NETmc Marine, a leading supplier of digital video recorders and cameras to the ROV and commercial diving market since 2000, developed a new type of High Definition video camera in 2018, the DVCi range; including models for ROVs and diving, with particular models aimed at the structural and pipeline inspection market.

The DVCiD-2 is the second generation of the diver version which integrates all electronics in the camera housing, thus negating the external video converter pack that was required in the original version, and is still supplied by most other vendors. This development allows the current cabling and connectors to be used on the existing dive spread, this is a huge saving especially on dive bell operations as the cost of upgrading umbilical and slings can be prohibitive.

However, the system will also be of interest to companies providing surface fed spreads as again umbilical with just copper conductors, twisted pair or a coax, can be used.

For simple operations the video can just be viewed on a PC, however for IRM Ops where integrity software is used, this is facilitated by using a NETmc Marine DVR.

Specification

OPTICAL

Zoom:	Fixed
Iris:	Automatic
Focus control:	N/A
Angle of view in water:	76 deg
Min light:	0.2Lux

ENVIRONMENTAL

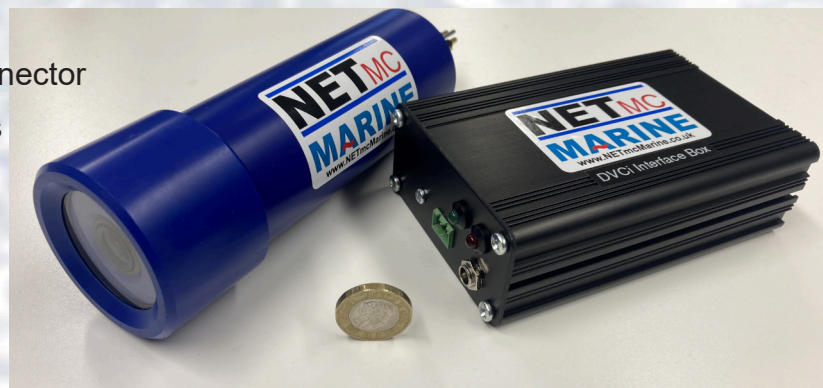
Water depth:	1000m
Temperature: (storage)	-15 - +50degC
Shock 3 axis: (operating)	28g peak, 6ms half-sine pulse
Vibration 3 axis (operating)	8g, 20-150Hz

Mechanical:

Housing Diameter:	500mm
Housing length:	155mm excluding connector
Weight in water:	Neutral
Standard connector:	Subcon Micro series

ELECTRICAL

Image size:	1920 H * 1080 V ; 1280 H * 720 V
Sensor type:	1/3-type CMOS
Power consumption:	24Vdc/6W
HD video output	Ethernet / Twisted Copper Pair
HD Format:	H:264
Control options:	Via NETmc Marine DVR



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The Digital Video Specialists