

As subsea infrastructures age, inspection becomes a bigger part of an assets planned IRM. Whether to extend the life of an asset or prepare for its decommissioning, inspection plays a key role in these programs.

There are many challenges to performing a complete inspection of an asset, one of which is inspecting through surface damage in areas where non designed structure penetrations have occurred.

Such penetrations will have developed over time and can be indicative of larger problems hidden to external inspections. It was for this exact purpose that NETmc Marine was recently contacted by a North Sea inspection company to provide a video camera, suitable for diver handheld use, to inspect inside a structure through a non-designed aperture.

However, with holes as small as 23mm high, NETmc Marine did not have an existing camera suited to the task. We challenged our engineers to come up with a solution and thus the microCAM was developed. A camera designed to be inserted into small holes to give a view of the area surrounding the hole, from the inside.



Camera features integrated LED lighting and robust stainless steel construction (Bottle cap for scale)

In a stainless steel housing of only 23mm tall and 33mm wide including built-in LED lights - its design affords the inspection engineer a view looking back at the hole from the inside.

The microCAM allows for inspection through holes as small as 23mm by 33mm and gives a direct view, rather than a reflected view of the inspection area.

Supplied with a 3m pigtail, terminated in an industry standard connector, the camera can easily be connected to a diver's video cable or to a standalone cable connected to the surface. Designed for working depth of 50m, the microCAM is ideal for near surface and splash zone inspections.

The microCAM can be supplied with a dedicated topside power supply and the camera is compatible with the NETmc Marine DVR, allowing the video footage to be integrated with integrity software packages such as E-Inspect, Coabis, Apollo and Nexus.

*Specification:*

*Colour Image*

*12v supply*

*Wide angle*

*650TVL*

*Robust stainless steel housing*

*co-ax output*

*100m rated*

*23mm x 33mm x 70mm*

