ROV ACCESORIES

TRACKING: Different kinds of tracking systems can be installed on Mariscope's ROVs. Nearly any type can be fitted, depending on the requirements of the task and client. USBL, SBL and LBL systems are available from Applied Acoustics, Tritech and others. Depending on the range, precision and depth, Mariscope will help you to find out the system that fits the best.

SONAR: As for the tracking systems, in the case of Sonars, Mariscope works with nearly every supplier on the market. The strongly increasing demand on imaging sonars adapted to the ROVs, makes it possible to get this technology in a nearly plug & play manner. Due to the strong price differences between the systems available on the market, we suggest you ask Mariscope for the best option.

MANIPULATORS: Electric and Hydraulic type manipulators have been installed on the ROVs. The ROVs and their skids are adapted to the type of manipulators installed. Each ROV is specially adapted to the requirements of our clients. Multiple manipulator solutions are also available as well as tooling. Cable cutting devices, cleaning devices, Caviblasting solutions and others are available.

LASER: The easiest way to estimate object sizes underwater is by using laser pointers: These laser pointers are normally installed near the camera so that they are tilted together with the unit. Internal or external laser pointers are available in different type of housings. Stainless Steel, Aluminum, Titanium or Plastic housings are used for different types of applications.

Full HD/4K: Nowadays the most commonly used accessory is the Full HD/4K camera option. Different types are available: small and compact types in special housings and professional units. These cameras can be mounted on every Mariscope ROV. Sometime they are installed in additional skids, i.e. for Macrobenthos research, or on pan and tilt mechanisms. Since Full HD / 4K needs additional lighting in order to get the necessary output from the camera, special illumination is offered. Ask us for the latest developments.

PAN & TILT: Although the ROV is moving in every direction, Pan & Tilt units are normally a standard component in modern ROVs. Often a pure tilt mechanism is sufficient, but numerous operations make a pan and tilt unit obligatory. Depending on the type of application Mariscope uses its own pan & tilt mechanism, or relies on other professional partners.

EOD LIGHT: Developed for mine counter measurements, EOD light is nowadays a standard accessory in Mariscope's ROVs. These multicolor lights based on LED clusters, make the change of color under water possible. The color is pre-selected or mixed from the surface console. Due to the use of high output LEDs, the light sources are very powerfull and incredible images are achieved. Often used for special applications, also in the military sector, this lighting is available for ROVs, hand held cameras, towed systems or independently.

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