VideoRay

U.S. Navy EOD

The United States Navy Explosive Ordnance Disposal (EOD) Units have one of the most dangerous mission's assigned to military operatives - locating and disposing of underwater explosives. Compared to torpedoes, small boat attacks and missiles, underwater mines have caused more than four times more damage to U.S. Navy ships. Crude but effective mines, Water Borne Improvised Explosive Devices (WBIEDs) and Underwater Hazardous Devices (UHDs) are cheap, easy to stockpile, and easily concealed in holds of ships and fishing boats. Previous methods for underwater EOD were time-consuming, extremely hazardous, and labor-intensive, often with little to no verification of mission success or completion.

VideoRay ROV systems have been employed by U.S. Navy since 2003 for both routine and emergency inspections of ship hulls, sea wall pilings, and bridges for explosive devices, to help direct divers to an area of interest, to search for, and recover, evidence which has been discarded in a body of water, and to inspect an object or area of interest before deploying divers. Engineered for reliability, ruggedness, portability, and ease of use, the VideoRay Pro 4 can complete the highly dangerous EOD tasks without putting troops in harm's way. To increase the ROV's capabilities, the U.S. Navy's systems are outfitted with VideoRay CoPilot RI (Reacquire-Identify) by SeeByte, which provides autonomous detection, identification, marking, and real-time sharing of visual information of underwater threats.

The VideoRay Pro 4's data collection also offered another invaluable advantage for the Navy: compatibility with the Common Operator Interface Navy (COIN) and the U.S. Navy Mine Warfare Environmental Decision Aid Library (MEDAL), as well as Mine Warfare Tactical Command Software (MINTACS), the common operating picture tool for underwater intelligence used by 15 countries. As force protection becomes increasingly globalized, VideoRay's compliancy with common interfaces has become more beneficial to armed forces. By visualizing data in a way that can be quickly understood and easily shared by Multinational forces, the VideoRay Pro 4 creates a common operational picture and expands search capability to include all available platforms.