

# Accessory Data Sheet

## Manipulator

The VideoRay **Manipulator Arm** easily attaches to the VideoRay Pro 4 skid's existing holes and lifts objects underwater by using the tether of the ROV. From the hand controller or control panel, you can open and close the jaws to a two-inch distance to retrieve items in confined or hazardous locations. The VideoRay ROV's camera focuses in on the manipulator arm to provide a close view of the operation. When not needed, the manipulator arm can be easily removed in seconds.

The Pro 4 manipulator arms are delivered with a manipulator clamp assembly that will attach to existing Pro 4 skids. It can be used in conjunction with most other VideoRay attachments such as Imaging and Scanning Sonar and positioning systems and is available for VideoRay Pro 3, Pro 4 ROV, and MSS systems.

### BASIC SPECIFICATIONS

|                                  |                  |
|----------------------------------|------------------|
| Depth Rating                     | 300 m (1,000 ft) |
| Max Jaw Opening                  | 5 cm (2 in)      |
| Closing Force                    | 2.3 kg (5 lb)    |
| Travel Time (close to full open) | 8 seconds        |

