

# NORTHERN DIVER UNDERWATER CAMERA SYSTEM

## CONTENTS:

1. System Components
2. Assembly
3. Operating Instructions
4. Safety Precautions
5. Maintenance

# 1. SYSTEM COMPONENTS.

Congratulations on your purchase of the Underwater Camera System for Search and Rescue Operations. This innovative tool is designed to aid in underwater search and rescue missions, providing clear visuals in challenging aquatic environments. Please read this user manual carefully to ensure safe and effective use of the system.

- **Underwater Camera:** Equipped with a high-definition camera to capture clear images and videos underwater.
- **Mounting bracket:** a sturdy bracket that fits to the pole allowing constant view of the display screen.
- **Display Screen:** A screen attached to the control unit for real-time viewing of underwater footage.
- **Cables:** Connectors and cables for powering the system and transmitting data.

**REACH POLE NOT INCLUDED IN THE UNDERWATER CAMERA SYSTEM.**

<https://www.ndiver-rescue.com/uw-camera-system>

<https://www.youtube.com/watch?v=cVzQITx249A>

## 2. ASSEMBLY:

To ensure that your underwater camera systems longevity is kept to a maximum and for the best results please store the camera, cables and monitor in a safe place after use.

### SETTING UP THE CAMERA

Step 1 - Mount the camera into the housing.



Step 2- Screw the camera into the reach pole attachment



Step 3 - Feed camera wire through pole



Step 4 - Attach the camera mount to the reach pole



Step 5 - Fit the bracket to your Reach Pole.



Step 6 - Attach the first bracket mount with the smaller screw



Step 7 - Attach the main bracket to the mount with the large screw



Step 8 - Secure the monitor with velcro to the monitor mount.





### 3. OPERATING INSTRUCTIONS:

- Extend the reach pole to the desired length for optimal reach and control.
- Submerge the camera into the water at the designated search area.
- Use the control unit to adjust camera settings such as zoom and brightness as needed.
- Navigate the camera through the water by maneuvering the reach pole carefully.
- Monitor the display screen for real-time footage and adjust the camera angle accordingly.
- Capture images or videos by pressing the designated buttons on the control unit.

For more in depth instructions please use our video showing the indepth instructions on how to use the reach pole

## 4. SAFETY PRECAUTIONS:

- Always handle the system with care to avoid damage to the equipment.
- Do not submerge the control unit in water.
- Avoid exposing the system to extreme temperatures or harsh environmental conditions.
- Use the system in accordance with local regulations and guidelines for search and rescue operations.
- Keep the reach pole away from power lines or other electrical hazards.
- Ensure all operators are trained in the safe use of the system before deployment.

## 5. MAINTENANCE:

- Rinse the camera and reach pole with fresh water after each use to remove saltwater or debris.
- Inspect all components regularly for signs of wear or damage and replace as necessary.
- Store the system in a cool, dry place away from direct sunlight when not in use.
- Follow any additional maintenance guidelines provided by the manufacturer.