

# UNDERWATER MONITOR SYSTEM

## INSTRUCTION MANUAL

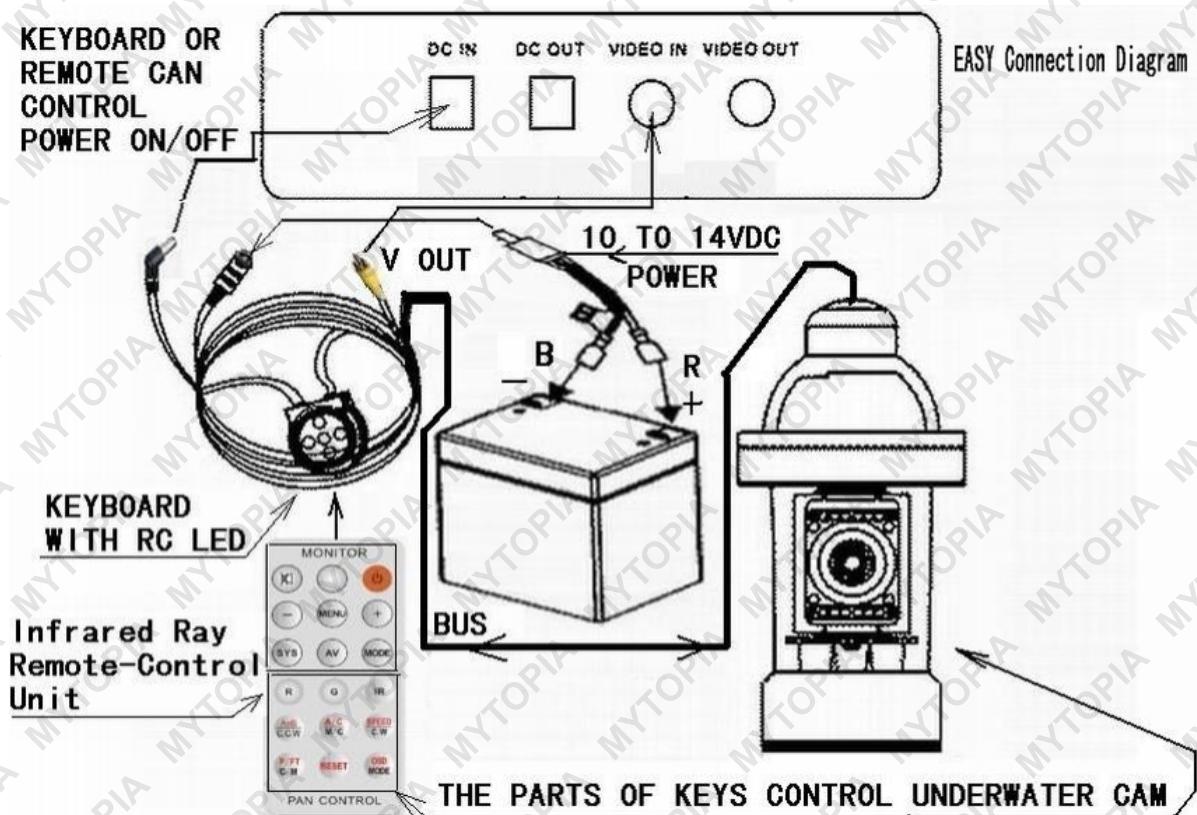


Read these instructions completely before operating the unit

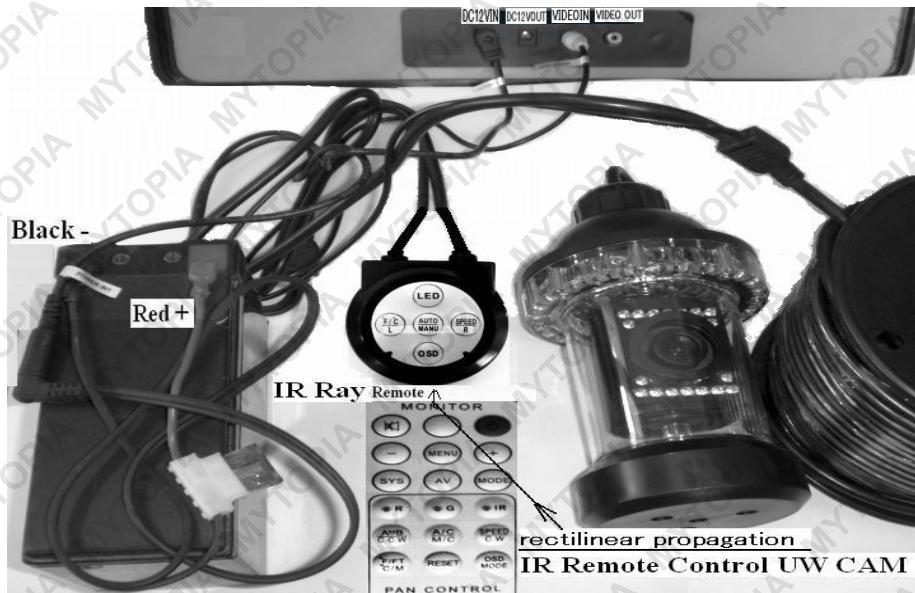
# INTRODUCTION

Thank you for your purchase Underwater Monitor System, it's a high resolution color video camera and monitor system, it offers multipurpose applications in aquatic environment, also can be best used for sport fishing, search and rescue, treasure hunting, and marine biology research, or just for plain fun, it can offer you a viewing pleasure by showing underwater activities. These suggested applications are just elementary of what can be used for, It will help bring one's aquatic fantasies and imaginations to true life on its screen, Underwater monitor system includes high resolution camera with cable, 7" LCD color monitor, 12V DC rechargeable battery, charger and carrying box. It's a complete set up for your application.

Below diagram is which you can use the unit:



**Below diagram is the actual installation:**



## SAFETY INFORMATION

### Warning

The monitor shouldn't be placed on a hot or cold surface it is recommended to use the case that comes with your unit.

### Cautions

Check proper connection between monitor and camera, wrong connection may result in damage of the monitor & camera.

Do not expose monitor to rain and do not keep it in damp places.

Do not place monitor in direct sunlight.

Always handle the monitor and camera with care, don't place them in a location subject to shaking or vibration.

Do not locate the monitor near radiator, oven or other heat generating appliance and equipment.

Leave at least a 2' space between the monitor and wall, cabinet or other object to allow air circulation around it.

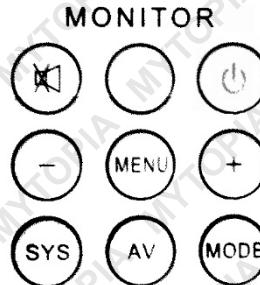
When connecting the camera, the power of the monitor must be off.

## PARTS AND FIGURES

### Monitor:



MONITOR



REMOTE PARTS OF MONITOR

1. Remote Control Signal Receiver Window (RC LED)
2. AV 1 / AV2 : KEY ON REMOTE
3. Mirror switch or KEY ON REMOTE
4. Menu : KEY ON REMOTE
5. Adjustment key - KEY ON REMOTE
6. Adjustment key + KEY ON REMOTE
7. Power KEY ON REMOTE

### Specifications:

1. Display (inch): 7".
2. System : PAL / NTSC
3. Pixels : 1440 x 234.
4. Viewing Angel ( ° ) : 65/65/40/65
5. Menu Languages: English.
6. Power Supply : DC12V
7. Working Temperature (°C) : - 10 °C to +50 °C
8. storage Temperature (°C) : - 20 °C to + 60 °C

# Camera



## Specifications



REMOTE PARTS OF PAN CONTROL CAMERA



KEYBOARD



Press L and R at same time can turn off the system.



Remote control need face to white point to successfully control the camera rotation.



Red LED or reserve control key. now it is null key.



Press G key can turns ON/OFF White LEDs.



Press IR key can turns ON/OFF IR LEDs.



Press LED key can turns ON/OFF White LEDs and IR LEDs.



Press the key, the camera goes into the Automatic Rotary state or stop at the Manual Control state, waiting to be rotated by L or R keys control.



Press the key, the camera rotate to the left, press again, the camera stop. In automatic state, you can watch view through setting the camera keeping at A and B repeatedly.



Press the key, the camera rotate to the right, press again, the camera stop. In automatic state, you can set the camera rotation in seven different speeds (S1 to S7).



If the functions of measuring water depth and temperature have been chosen by you . Press the key, you can change weights and measures according to different countries standard.

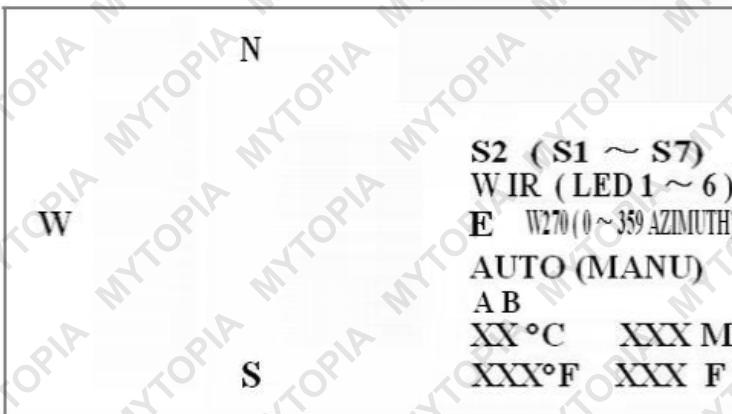


Press the key, can restore to turn on



Press the key, words to be displayed on screen or not.

About the control of the camera key, definitions as follows, the corresponding character display (OSD: On Screen Dispaly), please see below diagram:



the LCD screen will display the words, it shows the whole functions of units.  
(If you choose this function, it shows, otherwise, it empty.)

## TROUBLESHOOTING GUIDE

SYMPTOM	CAUSE	ACTION
Rolling picture	Monitor(horizontal control)	Replace monitor
Shrunk & unstable picture	Monitor(low voltage)	Check voltage source for proper voltage
Black picture	Monitor	Check fuses, if ok, check voltage source for DC12V, or check monitor power assembly for loose or broken wires or connector.... if above is ok, replace camera
White picture	Monitor	Check main system cable, make sure all connectors are mated properly. If ok, replace camera
White picture	Camera	Replace camera
Blurred picture	Road film, mud,water or Ice on camera lens	Clean camera
Moisture in camera	Camera	Replace camera, if not ok, ask for maintenance service
Engine noise or static lines	Monitor	Check ground and DC 12V source for solid connection. If not ok, call tech support for assistance



**Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see [www.datastreamserver.com/safety](http://www.datastreamserver.com/safety)**

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged / missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections / servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

