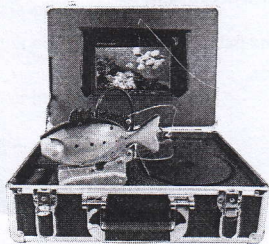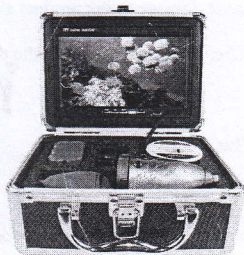# underwater camera
fish finder

Common Type

Recording Type

Type A

Type B

Instruction Manual

I Safety Notes:

1、Please read the manual carefully before using it.

2、Handle it carefully during operation, avoid throwing down or pressing it heavily.

3、If the users disassemble or deliberately damage the machine, it will beyond the warranty.

4、Please copy your information before connecting the SD card, the manufactures will not be responsible for the loss caused by losing data.

5、Don't cut off the power supply while recording or playing, it will probably cause damage to the product and recorded documents.

6、After being used, turn off the display and pull out all the connection joints.

II The Range of usage

The product is an underwater video camera and fish finder

1、fish finder

2、underwater breeding monitoring

3、fishing monitoring

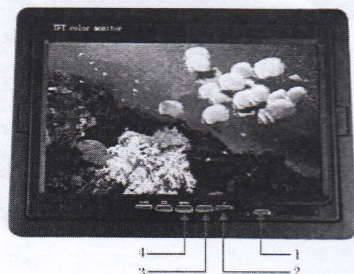4、underwater viewing

5、underwater adventure

6、water well monitoring

III Specifications

Program	parameter
Charger	100VAC-240VAC DC12.6V 2000MA
Battery	Type A: storage battery 4.5A
	Type B: lithium battery 4A
The continued using time of the battery	Type A: about 8 hours
	Type B: about 6 hours
Camera light source	Type A: two high-power brightly white lights
	Type B: six white lights
Camera angle	92°
camera picture	color
monitor image	color
camera:	600 TVL
monitor input voltage	12VDC
SD card	standard 2G
operation temperature	-20—60 degrees
storage temperature	-30—80 degrees
package size	Type A:380MM*140MM*305MM
	Type B:225MM*120MM*190MM
gross weight	Type A :6.5KG
	Type B:2.0KG

Ⅳ Display operation interface instructions

Common Type

1、power　　2、adjustment +　　3、adjustment -　　4、menu

Recording Type

1、record/ adjustment -　　2、play the video/ adjustment +　　3、menu/exit

4、forward　　　　5、backward　　　　6、power

Ⅴ how to operation

Common Type

1、Boot

Connect all the connectors and press the power key, the system will start to work.

2、Menu Settings

1> Brightness

Press the MENU key to enter brightness setting, press the "+ -" key to set the brightness, and then press the MENU key again to quit the menu page after doing this.

2> Contrast

Continuously press the MENU key twice to enter contrast setting, press the "+ -" key to set the contrast, and then press the MENU key again to quit the menu page after doing this.

3> Color setting

Continuously press the MENU key for three times to enter the color setting, press the "+ -" key to set the color, and then press the MENU key again to quit the menu page after doing this

3、Image mode

Press the "image modee" key, and the images will overturn in all directions.

Recording Type

1、Boot

Connect all the joints and press the power key, the system will start to work.

2、Menu settings

Press MENU to enter the menu page

1> Language Setting- After entering the menu, select the first icon and press MENU to shift between Chinese and English. Then press > or < to select "quit" and press MENU to confirm.

2> Light, Contrast & Chroma Settings- After entering the menu, press + or – to select the second icon and the press > or < to select the option to be set. Press + or – to set the parameter of the selected option. Then press > or < to select quit and press MENU to confirm.

3> Date and Time Settings- After entering the menu, press + or – to select the third icon and then press > or < to select the option to be set. Press + or – to select the sub-option to be set and press > or < to set the parameter for the selected option. Then press MENU and select quit, and confirm by pressing MENU.

4> Photo Setting- After entering the menu, press + or – to select the fourth icon and press > or < to select the option (view, shoot, delete, format, back-up, quit) to be set. Then press MENU and select quit, and confirm by pressing MENU.

5> Video Setting- After entering the menu, press + or – to select the fifth icon and press > or < to select the option (record, play, format, quit) to be set. Then press MENU to confirm the selected option, finally quit by pressing MENU.

3、Record

When inserting a new card or something goes wrong with the card, press the button REC and format will appear in the middle of the screen. Select "Yes" by pressing > or < and then press MENU, then the card will be formatted.

1> Press REC and the recording will start. The left top corner of the screen will reveal the recording date and time.

2> Press MENU during the recording to quit the recording mode.

Notes: To facilitate replay and protect the record file from getting lost, when the file size reaches 512 MB, the system will automatically pack the file and store it.

4、play the video

1> Press PLAY to view the video file and the video will play automatically. Press > or < to select the video package. When the video is being played, at the left top corner of the screen will reveal the date and time of the record and an icon of playing.

2> When the video is being played, you can press the PLAY button to select Slow-Play. Quick retreat at 2 /4 /8 /16 /32 times the normal speed can be selected.

3> When the video is being played, press REC to select Quick-Play. Quick Progress at 2 /4 /8 /16 /32 times the normal speed can be selected.
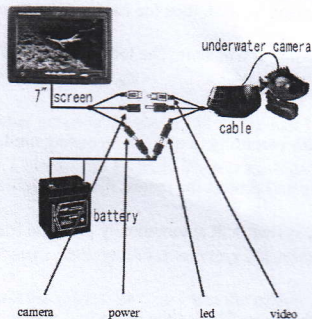
4> When the video is being played, it will pause if you press MENU and then continue if you press MENU again.
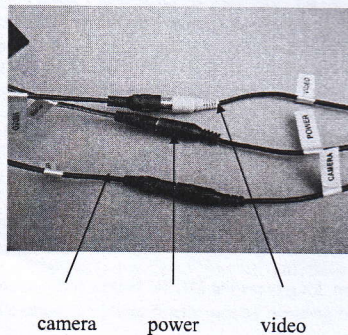
5、Quit

In whatever operation, long press the MENU button and you can quit the current operation.

VI Connection

Type A

underwater_camera

7" screen

cable

battery

camera   power   led   video

Type B

camera   power   video

VII Charging

When the battery power is low, it needs charging, and the method is as below:

1、 Take out the battery and charger from the box.

2、 Connect the charger to the battery(red to red, black to black).

3、 Connect the charger to the alternating current of 110-200v. The red indicator

means charging.

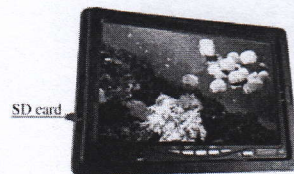4、 The green indicator means finishing charging.

Notes: to make sure the battery using age longer, please recharge it timely; otherwise, it will make it can not recharged.

VIII The method of taking out the SD card

1、 Press the buttons on both sides of the display with two hands at the same time to
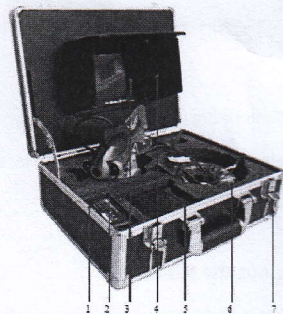
pop the display.

2、 Press the SD card slightly on the left corner of the display to pop the SD card.

SD card

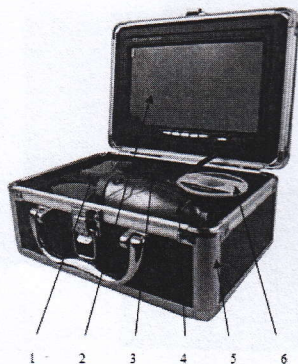# IX Product components and accessories

Type A

1 charger   2 camera   3 display   4 sunshade cover

5 battery   6 cable   7 aluminum box   8 SD card(optional)

Type B

1 battery   2 display   3 charger   4 camera   5 aluminum box   6 cable

X Common breakdown and process

breakdown	Reasons and process
No electricity	check all the conntion to see whether something goes wrong
No picture shows when the indicator is on; the indicator can't be on	1、check all the connection 2、check the battery powerful or not, try again after charging.
Unable to record	1、the card is plugged in the right place or not 2、the new card is formatted or not 3、power-down while recording or not
Unable to charge	1、the indicator of the charger is bright or not 2、the DC plug is placed appropriately or not

XI **Product warranty service card**

Name	Tel	
Address		
Product Name	Model	
Purchasing Date		
Invoice or Receipt Number		
Dealer	Tel	Contactor
Breakdown Description		