Keyboard Controller

User Manual V1.0

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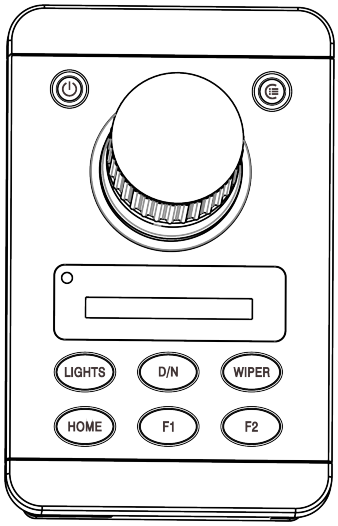

Safety Notice

- Please read the below notes carefully before the device is installed;
- Please shut the power down immediately when the device is not working properly;
- Use DC12V power supply. Wrong power supply may damage the device;
- Please don’t disassemble the device;
- Please don’t use the product in excessive humidity, and heavy dust environment for a long time in case of the damage.

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Product Introduction

Introduction

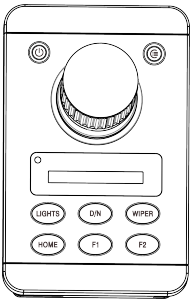
The Yacht Cam keyboard controller is a full-function system. With features of ergonomic design, multi-function, high reliability and easy operation, it is a perfect controller for maritime and so on.

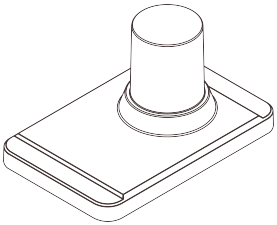
Features

- IP66 waterproof;
- RS-485 control;
- 3-axis joystick, ergonomic design and excellent finishing;
- High brightness OLED display;
- Dual backlight buttons;
- Support various baud rate and protocols;
- Able to control multi devices with different addresses;
- Compact design, easy to install.

Packing List

(1) Keyboard Controller **(1) Sun-protective Cover** **(1) Power Adapter**

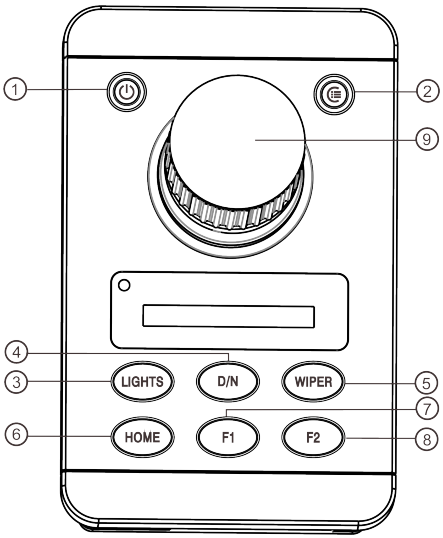




Technical Data

Interface	RS-485
Protocol	PELCO-D, PELCO-P
Baud Rate	2400bps, 4800bps, 9600bps, 19200bps
Address	0~255
Joystick	3-axis,speed adjustable
Display	OLED
Power	POE, DC10.8~28V
Power Consumption	<1.6W
Working Temperature	0℃~+40℃
Storage Temperature	-20℃~+50℃
Relative Humidity	≤90% (non-condensation)
Dimensions	141mm(L)*90mm(W)*117mm(H)
Net Weight	0.8kg

Parts and View



①POWER

This button is used to power on/off the controller

Operations: long press POWER to turn on / off the controller.

②MENU

This button is used to enter menu of the controller.

Operation: short Press MENU button to enter controller menu.

③LIGHTS

This button is used to turn on / off white lights.

Operation: short press LIGHTS button to switch among short distance lights (if camera zoomed to less than 5 times / long distance lights (if camera zoomed to more than 5 times), turn off lights.

④D/N

This button is used to switch between camera color image and black / white image.

Operations: short press D/N to switch between camera color image and black / white image .

⑤WIPER

This button is used to switch among fast speed wiper, normal speed wiper and turn off wiper.

Operations: short press WIPER button to switch among fast speed wiper, normal speed wiper and turn off wiper.

⑥HOME

This button is used to save or call home position of the camera.

Operations: short press HOME button, camera will go to pre-defined home position; long press HOME button to save current position as home position.

⑦F1

This button is used to save or call preset number 3, get back to previous menu.

Operations: short press F1 button, camera will go to preset number 3; long press F1 button to save current position as preset number 3.

In controller menu status, short press F1 button to get back to previous menu.

⑧F2

This button is used to save or call preset number 4, confirm menu selection.

Operations: short Press F2 button, camera will go to preset number 4; long press F2 button to save current position as preset number 4.

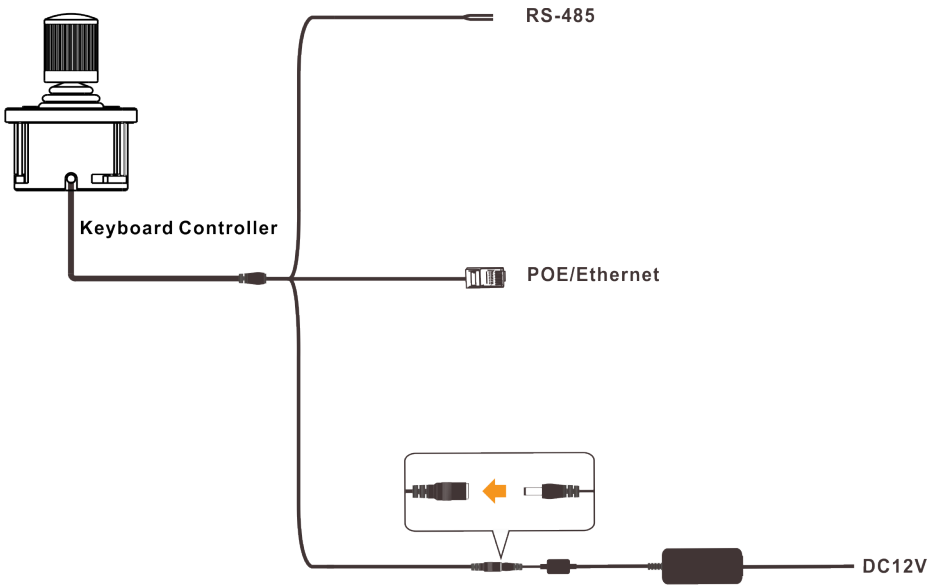
In controller menu status, press F2 button to confirm menu selection and get into submenu.

⑨Joystick

The joystick is used to control camera pan / tilt / zoom operation.

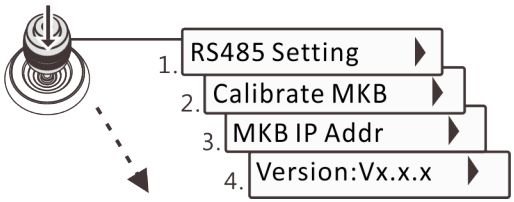
Operations: move the joystick up, down, left, right, up left, up right, down left, down right to control eight camera movement directions. Twist the joystick leftward to zoom out, twist the joystick rightward to zoom in.

Connections



Menu operations

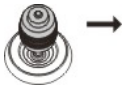
OSD Menu List



RS-485 Setting

This is to set address, baud rate and protocol to control camera.

❶ Press F2 button, enter “Camera Addr:XXX” (XXX means the camera address) menu to set address, move the joystick up/down, input address (range from 0~255).After the setting is finished, press F2 button to confirm and get into next setting.

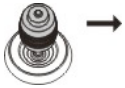


Camera Addr:1 ---- Set the address the same as the camera’s address to control the camera.

Available options:

0~255

❷“Baud Rate: 2400”. Baud rate setting, move the joystick up/down, choose baud rate, press F2 button to confirm, and get into enter next setting.

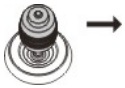


Baud Rate：2400 ---- Set baud rate the same as the camera’s baud rate.

Available options:

2400/4800/9600/19200

❸ “Protocol: PELCO-D” Protocol Setting. Move the joystick up/down, choose protocol, press F2 button to confirm.



Protocol：PELCO-D ---- Set protocol the same as the camera’s protocol.

Available options:

PELCO-D/PELCO-P

Calibrate Controller

After long time operation, control deviation of the joystick may occur and calibration is needed to get it working properly again.

Move the joystick up/ down, select “Calibrate JCU”.

❶ Press F2 to confirm, “Pan Left” will be displayed, move the joystick to the left limit and hold, at the same time press F2 to confirm.

Pan Left ---- Pan Left
Move the joystick to left limit + F2 button

❷ Refer to the setting of “Pan Left” to calibrate “Pan Right”, “Tilt Up” and “Tilt Down”.

Pan Right ---- Pan Right
Move the joystick to right limit + F2 button

↓

Tilt Up ---- Tilt Up
Move the joystick to up limit + F2 button

↓

Tilt Down ---- Tilt Down
Move the joystick to down limit + F2 button

❸ “Twist Left”, twist the joystick anticlockwise until limit position, and press F2 button.

Twist Left ---- Twist Left
Twist the joystick anticlockwise direction + F2 button.

❹ “Twist Right”, twist the joystick clockwise until limit position, then press F2 button.

Twist Right ---- Twist Right
Twist the joystick clockwise + F2 button

❺ “All Free” setting menu, no need any operation, simply press F2 button to confirm.

All Free ---- No need any operation, press F2 button.

Version: Vx.x.x

Display the firmware version of the controller.

This user manual is only for reference. It is subject to change.
Please ask for the latest version from your supplier.

CA/YF-YBC-ZD-010

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