



Instructions

Yacht Joystick Controller

Operating Instructions



Contents

Introduction	Page 2
Primary Controls	Page 3
Secondary Controls	Page 4
Remote Data Input	Page 4
Connections	Page 4

The **Yacht Joystick** is a specially designed camera joystick for use on yachts and other wet environments. It is fitted with a single waterproof socket which both powers the unit and sends the control data to the yacht cameras.

All the usual controls are available with the option of additional functions via the AUX selection button. There are also dedicated buttons for functions most often used on yacht cameras.

All the buttons are backlit and the background level can be set for the ambient conditions. Each button also individually illuminates when selected.

The **Yacht Joystick** can operate as a 'stand-alone' unit or via our **Yacht Hub**. The **Yacht Hub** enables easy connection of multiple cameras with control of lamps and rec/run triggering and timeouts via the Yacht Joystick.

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Primary Controls:

Joystick:

This is a 3 axis joystick and controls Pan, Tilt & Zoom functions.

Focus & Iris Buttons:

Focus and Iris can be either manually adjusted or selected to AUTO mode.

Aux. Button: (pre-set positioning)

This enables access to auxiliary functions. eg. 4 preset positions. When pushed the 4 numerical buttons will illuminate to prompt for a selection. To command the camera to **GOTO** a preset position just press a button 1-4. To **STORE** a preset position; Move the camera to the position - push AUX then push and hold a button 1-4.

White Balance Button:

Pushing this button then offers a selection from the 1-4 buttons.

1. Auto White
2. 3200k
3. 5600k
4. Auto Tracing White

Reverse Button:

The directions of pan and tilt are reversed with this button. This sequences the pan & tilt directions through the 4 possibilities.

Water Button:

This dedicated button can perform a number of functions depending on the camera. When used with the Elipticam it aims to de-focus any water droplets on the dome. It is generally suitable only for daytime use.

Numerical Buttons 1 - 4

These are primarily used to select the desired camera. Usually the Elipticam - if fitted - will be designated as Camera 1. These buttons are also used in conjunction with the buttons above when required to select from the available options.

IR Button:

This performs 2 functions simultaneously when used with a **Yacht Hub**. It puts the selected camera into InfraRed mode for night vision and simultaneously switches the IR lamp output ON. The IR lamp output of the Yacht Hub is controlled by a timer and will switch off after the pre-set time. The camera will remain in IR mode until de-selected.

Rec Button:

A recorder can be triggered with this button (via the **Yacht Hub**) which will illuminate RED when a **BLIN** command has been sent. This is also controlled by the timer in the Yacht Hub and the

trigger output will be de-selected. However, the RED button may still be illuminated even after the timer has timed out.

Data:

This is not a button but an indicator. It indicates the unit is on and also flashes during certain data output operations.

Secondary Controls:

Setting the panel backlight:

When the unit is first powered up holding the REC and IR buttons together within 5 seconds will enable control of the backlight. The REC button will reduce the level and the IR button will increase the brightness. After a short period of inactivity on the buttons the unit will reset and store the backlight setting.

Reversing Direction of Zoom control:

Hold the Zoom twist control hard over to one side and push the **Reverse** button.

Remote Data Input:

A Remote Data Input is provided on the **Yacht Hub**. Data input into this socket will override the control from the **Yacht Joystick**. In principle it is to enable radio or satellite control of the cameras independently from the yacht crew.



Connections:

Power is input via the plug on the side. Data is also sent via this plug. Use **4 core** cable.

GND	Pin 1
Data A	Pin 2
Data B	Pin 3
12 - 24v	Pin 4

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