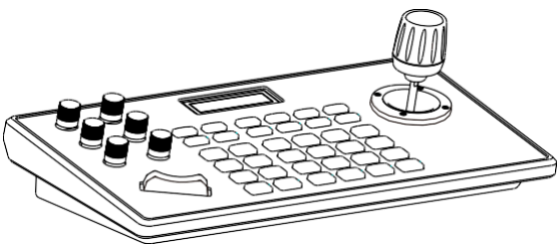
iControl IP Control Joystick

Model: iControl J10



www.infobitav.com info@infobitav.com

1. Product Description

1.1 Introduction

The iControl J10 is a universal PTZ Controller with Joystick for easy pan, tilt and zoom control for any VISCA/PELCO protocol compatible cameras. If you're ready for a versatile, easy to use Joystick controller for your PTZ cameras look no further! This controller is the ideal solution for all INFOBIT cameras. Simply connect your INFOBIT PTZ camera of choice using a DB9 to 8-pin mini-din connection cable. Multiple cameras can be controlled with this joystick using the daisy-chain method. RS-232, RS-422, RS-485 control bus, can control up to 254 cameras. Works with any VISCA/PELCO cameras. Set and recall up to 255 preset camera positions.

1.2 Features

1) Support network control, with an independent IP address.

2) Support VISCA,VISCA over IP, ONVIF, Pelco-d, Pelco-P protocol.

3) Realize the control of conference camera software, with a central control function.

4) It adopts an imported variable speed four-dimensional rocker for control and feels comfortable. The twisting rocker can control zoom in and out and directly control the omnidirectional rotation of the conference camera. According to the strength of the joystick, the speed can be controlled.

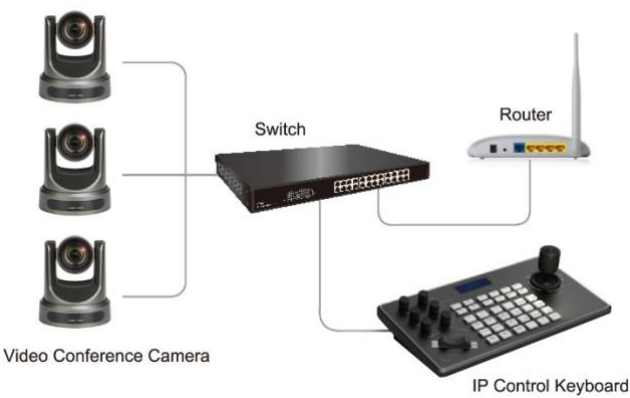
5) The zoom control of the conference camera is carried out by a switch shaping like a ship. Operation is convenient and powerful.

6) Support full-key backlight effect, can be turned on / off independently.

7) Support IE browser to add configuration front-end device parameters.

1.3 Connection Diagram

The keyboard and the dome are connected in the same LAN, and the network segment where the IP address is located is consistent. For example, 192.168.1.123 and 192.168.1.111 belong to the same network segment; 192.168.1.123 and 192.168.0.125 is not on the same network segment. In this case, you need to modify the IP address of the keyboard or dome. The default IP acquisition method of the keyboard is dynamically obtained.

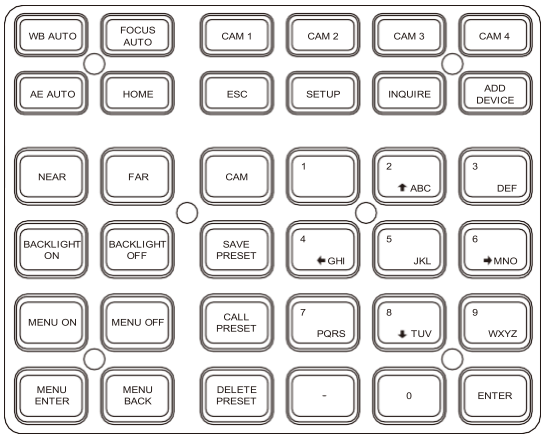


1.4 Control Keyboard Parameters

Ethernet	1 Ethernet port
Rocker Function	Four-dimensional (control: up, down, left, right) rocker buttons and zoom function
Interface Mode	Lead mode
Display Method	LCD
Beep	Button sound prompt on/off
Working Power	DC 12V 1A ± 10% inside and outside negative
Power Consumption	0.6W max
Operating Temperature	0℃~50℃
Storage Temperature	-20℃~70℃
Physical Dimension	320*180*100

2. Keyboard Function Description

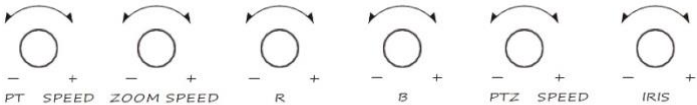
2.1 Key Description

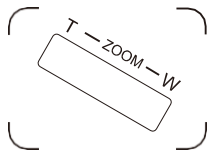


WB AUTO	Auto white balance button: Set the camera to auto white balance mode. This button will light when the camera is in manual white balance mode.
FOCUS AUTO	Auto Focus button: Design the camera to be in auto focus mode. This case will light up when the camera is in manual focus mode.
AE AUTO	Auto Iris button: Set the camera to auto iris mode. This button will light when the camera is in manual iris mode.
HOME	Camera returns to the origin.
CAM1 ~ CAM4	Quickly switch device keys: quickly switch to devices with CAM NUM 1-4 (ONVIF, IP VISCA) or switch to address code 1-4 (VISCA, PELCO).
ESC / ENTER	Return and confirm key

SETUP	Keyboard local settings button: modify, view keyboard local settings
INQUIRE	Query key: query and added device
ADD DEVICE	Manually add network device keys; manually add network devices (only ONVIF, IP VISCA mode support)
NEAR	Manual adjustment of near focus
FAR	Manual adjustment of far focus
BACKLIGHT ON	Turn on the backlight
BACKLIGHT OFF	Turn off the backlight
MENU NO	Menu open
MENU OFF	Menu closed
MENU ENTER	Enter menu
MENU BACK	Exit submenu
CAM	The CAM NUM set when IP VISCA or ONVIF mode input device is added can be quickly switched to the device bound to the CAM NUM. In VISICA or PELCO, the input address code switching needs to be used with the numeric keys and the [ENTER] key.
SAVE PRESET	Set preset button: This function should be used together with the number keys and [ENTER] key.
CALL PRESET	Call preset button: This function should be used together with the number key and [ENTER] key.
DELETE PRESET	Delete preset button: This function should be used together with the number key and [ENTER] key.
1 ~ 9	0, 1, 2, 3, 4, 5, 6, 7, 8, 9 (2468 can also be a direction button to control the pan/tilt or movement menu).

2.2 Rocker switch, knob



NEAR / FAR	Manually adjust the focus, NEAR (fixed focus) / FAR (far focus).
OPEN / CLOSE	Manually adjust the aperture, OPEN (aperture plus) / CLOSED (aperture reduction).
R- / R+	Manually adjust the red gain
B- / B+	Manually adjust the blue gain
PTZ SPEED + **PTZ SPEED -**	Adjust PTZ speed, 1 (slow) -8 (fast) gear
T-ZOOM-W	The lens zooms in/out, the T lens magnification increases, and the W lens magnification decreases. 

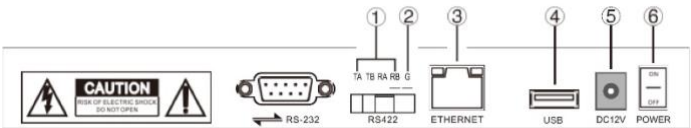
2.3 Rocker Control

(clockwise/counterclockwise rotation is only valid for 3D)

Operation	Output Control	Operation	Output Control	Operation	Output Control
	Up		Down		Left
Operation	Output Control	Operation	Output Control	Operation	Output Control
	Right		Zoom +		Zoom -

2.4 Control keyboard rear interface terminal description

Back panel: There is a 5PIN crimp terminal interface, an RS232 interface, a DC-12V power plug, a USB interface, and a network port, as shown in the figure:



2.5 Function number description

No.	Mark	Physical interface	Description
①	RS422	Control output (Ta, Ta, Ra, Rb)	Connect the RS422 bus of the camera; (TA) to the camera (RA), (TB) to the camera (RB), (RA) to the camera (TA), (RB) to the camera (TB).
②	Ground	Control signal line ground (G)	Control signal line ground
③	Ethernet	Network port	Network data connection
④	USB	USB interface	Connect to WIFI
⑤	DC 12V	Power input	DC power input
⑥	POWER	Switch	Start off the power