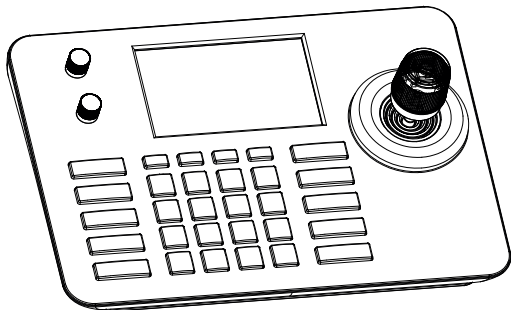


# **HDVIPCPTZC Keyboard controller**

## **USER INSTRUCTION**

### **USE/INSTALLATION**



The latest product manual and software is available online:  
[https://www.espuk.com/technical\\_support/](https://www.espuk.com/technical_support/)



Rev. F21

# **1.Product Description**

## **1.1 Description**

The network IP keyboard adopts the new design of PC + ABS outer case. It is light and easy to operate. The bottom is designed with a non-slip silicone pad that can be operated with one hand. The IP keyboard uses an industrial-grade 5-inch LCD screen.

With Solution 1920 \* 1080P H.264/265 stream, super wide viewing angle IP operation keyboard. Using import 4D joystick, stepless knob buttons, and silicone buttons with great operating feel. The buttons are fully functional, which effectively solves the inconvenience of the current web-page operation of the PTZ. The appearance is simple and beautiful; the display effect is excellent, and the image characters are delicate and clear. IP keyboard supports ONVIF protocol, compatible with 99% PTZ cameras on the market. Easy operation, only a few steps to achieve perfect control of PTZ Cameras.

## **1.2 Product Features**

- (1) Support ONVIF protocol, with independent IP address in IP mode.
- (2) Equipped with stepless knob keys to adjust the control speed and zoom speed.

- (3) With Import variable-speed 4D joystick  
Twist the joystick to control the PTZ camera directly.
- (4) Support standard POE power supply.
- (5) The bottom is designed with non-slip silicone pad.

### 1.3 Product Appearance



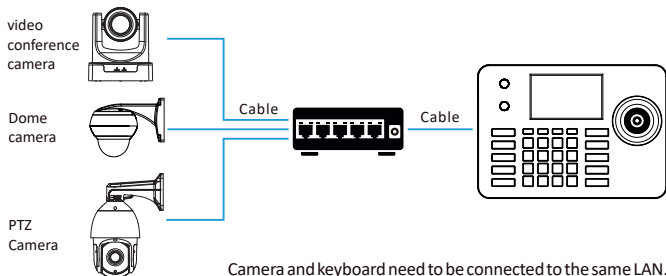
### 1.4 Interface Description



No.	Name	Function
1	Power switch	
2	Power interface	Standard 5.5/2.1 power interface; DC12V2A±10%
3	IP Interface	Connecting to the Internet
4	RS232	No function Currently
5	RS422	No function Currently

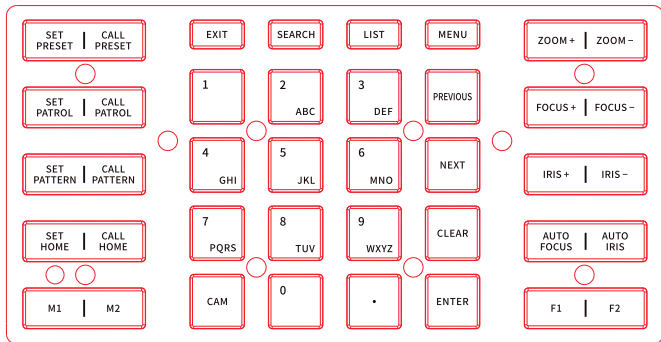
## 1.5 System Topology diagram

Product Connection Diagram with onvif protocol



## 2. Keyboard function

### 2.1 Button Description



(1) **SET PRESET:** Example: Set Preset 1

[SET PRESET ] > [1] > operate the camera> [ENTER]

- A. Press [SET PRESET] button, and the text "Set preset " appears in the lower right corner of the screen.
  - B. Press the number [1], the number 1 appears on the screen in the back of the "Set preset "
  - C. Operate the joystick to move the camera to the position you want to set the preset. Press [ENTER] to confirm.
- (Note: set up to 99 preset Max)

**CALL PRESET:** Example: Call preset 1

[CALL PRESET] > [1] > [ENTER]

- A. Press the [CALL PRESET] button, and the text "call preset" appears in the lower right corner of the screen.
- B. Press the number [1] button, the number 1 appears on the screen in the back "call preset "
- C. Press [ENTER] button, the camera will move to preset 1 position.

**SEARCH:** Example: adding the IP address of a camera

- A. Press [SEARCH] key to enter, move the joystick to the right, select search, and press [ENTER] or the middle button of the joystick to confirm the search.
- B. Use the joystick to select the IP, press the middle button of the joystick to select, joystick move right to select the new one, and press the middle button of the joystick to add.
- C. Fill in the correct user name and password, and press the number keys continuously to switch between uppercase and lowercase letters.
- D. Select Save and press the middle button of the joystick to confirm and save.

**LIST:** View the list of added devices, you can edit or delete.

Device List	Device				
Search Device	select	Number	address	port	protocol
Manually Add	<input type="checkbox"/>	1	192.168.0.181	8999	Onvif
System Set	<input type="checkbox"/>	2	192.168.1.101	80	Onvif
Network Set	<input type="checkbox"/>	3	192.168.1.108	8000	Onvif
Exit	<input type="checkbox"/>	4	192.168.1.168	8000	Onvif
	<div>Select AllCancelDeleteEdit</div>				

**1~9:** Single point is a number key function / continuously press to switch letters

**CAM:** For quick camera switching

Example: Press[CAM] +Serial number in camera device list+[ENTER]

**PREVIOUS:** Quickly switch to the camera with a serial number on the list of added devices

**NEXT:** Quickly switch to the camera with the next serial number in the list of added devices

**CLEAR:** Delete one

**ENTER:** confirm

**ZOOM+**

**ZOOM-**

**FOCUS+**

**FOCUS-**

**IRIS+**

**IRIS-**




**AUTO FOCUS**




**AUTO IRIS**

**F1:** No function, it is for expanding function

**F2:** No function, , it is for expanding function

## 2.2 Knob Description

Operating	Output Control	Operating	Output Control	Operating	Output Control
	Upward		Downward		Left

Operating	Output Control	Operating	Output Control	Operating	Output Control
	Right		Zoom +		Zoom -

Press the middle joystick button to confirm in menu mode

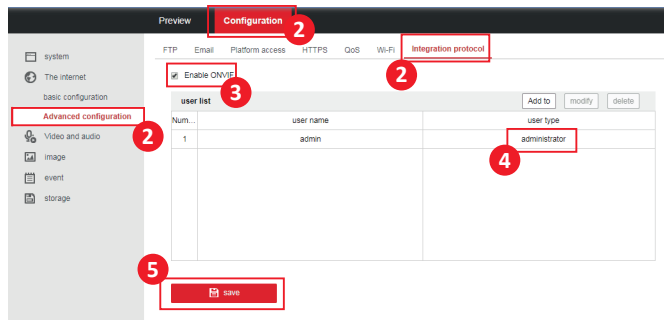
## 2.3 Knob Description

- (1) **P/T SPEED:** PTZ control speed Turn the knob to the right + Turn to the left-
- (2) **ZOOM SPEED**

## 3. PTZ and Keyboard connection

### 3.1 Make sure the camera has open ONVIF protocol

(Example)



- (1) Input the IP address of the camera, enter the WEB interface.
- (2) Configuration---Network---Advanced Configuration---Integration Protocol
- (3) Tick and enable ONVIF protocol
- (4) Add an administrator account (the same as the account you use to activate the camera)
- (5) Save



### 3.2 ONVIF connection

- (1) Press <SEARCH> to the search device, move the red cursor to the right to jump into the search, press the middle button of the joystick to confirm the search for the device, select the device to be added, press OK, and then move the red cursor to New. Enter the camera user name and password to save (the camera and keyboard must be on the same network segment)

Device List	Search>Results																																			
Search Device	<table><tr><th>select</th><th>Number</th><th>address</th><th>port</th><th>protocol</th></tr><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>192.168.0.23</td><td>80</td><td></td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>192.168.0.149</td><td>81</td><td></td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>192.168.0.108</td><td>8999</td><td>IPD-D53M02</td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>192.168.0.214</td><td>80</td><td>IPC</td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>192.168.0.215</td><td>80</td><td>IPC</td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>192.168.0.238</td><td>8999</td><td>IPC</td></tr></table>	select	Number	address	port	protocol	<input checked="" type="checkbox"/>	1	192.168.0.23	80		<input type="checkbox"/>	2	192.168.0.149	81		<input type="checkbox"/>	3	192.168.0.108	8999	IPD-D53M02	<input type="checkbox"/>	4	192.168.0.214	80	IPC	<input type="checkbox"/>	5	192.168.0.215	80	IPC	<input type="checkbox"/>	6	192.168.0.238	8999	IPC
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System Set																																				
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Exit																																				
	<div>Select All Cancel Delete Edit</div>																																			

Device List	Search>Adduser	
Search Device		
Manually Add	Username	<input type="text" value="admin"/>
System Set	Password	<input type="text" value="admin"/>
Network Set		
Exit		
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

- (2) Press the MENU button to enter the menu and select to manually add the camera IP, port, user name, password, and select the Onvif protocol point to save (the camera and keyboard must be on the same network segment)

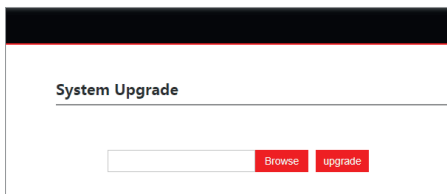
Device List	Search>Adduser	
Search Device		
Manually Add	ip address	<input type="text" value="192.168.0.181"/>
System Set	port	<input type="text" value="80"/>
Network Set	Username	<input type="text" value="admin"/>
	Password	<input type="text" value="admin"/>
Exit	Password	<input type="text" value="onvif"/>
	<input type="button" value="Save"/> <input type="button" value="Cancel"/>	

(3) The successfully added devices can be viewed in the device list and exit to the main interface. Press the CAM key + number keys + confirmation key to select the online device.

## 4. WEB Upgrade

### 4.1 System Upgrade

The keyboard and the computer are connected to the same local area network. Enter the keyboard IP address on the browser, then enter the keyboard upgrade page.



The upgrade function is used as the maintenance and update keyboard function. After entering the upgrade page, select the correct upgrade file and click "Start". The device will automatically restart after the upgrade is completed. Ps: Do not perform any operations on the device during the upgrade process, and do not power off or disconnect the network!

### 4.2 System reset

When the device cannot be used normally due to the modification of some configurations, the device can be restored to the factory value through system settings and factory reset. Use with caution when the device is working properly

### 4.3 System restart

After the device is used for a long time and needs to restart maintenance, click Restart to achieve the purpose of restarting maintenance



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