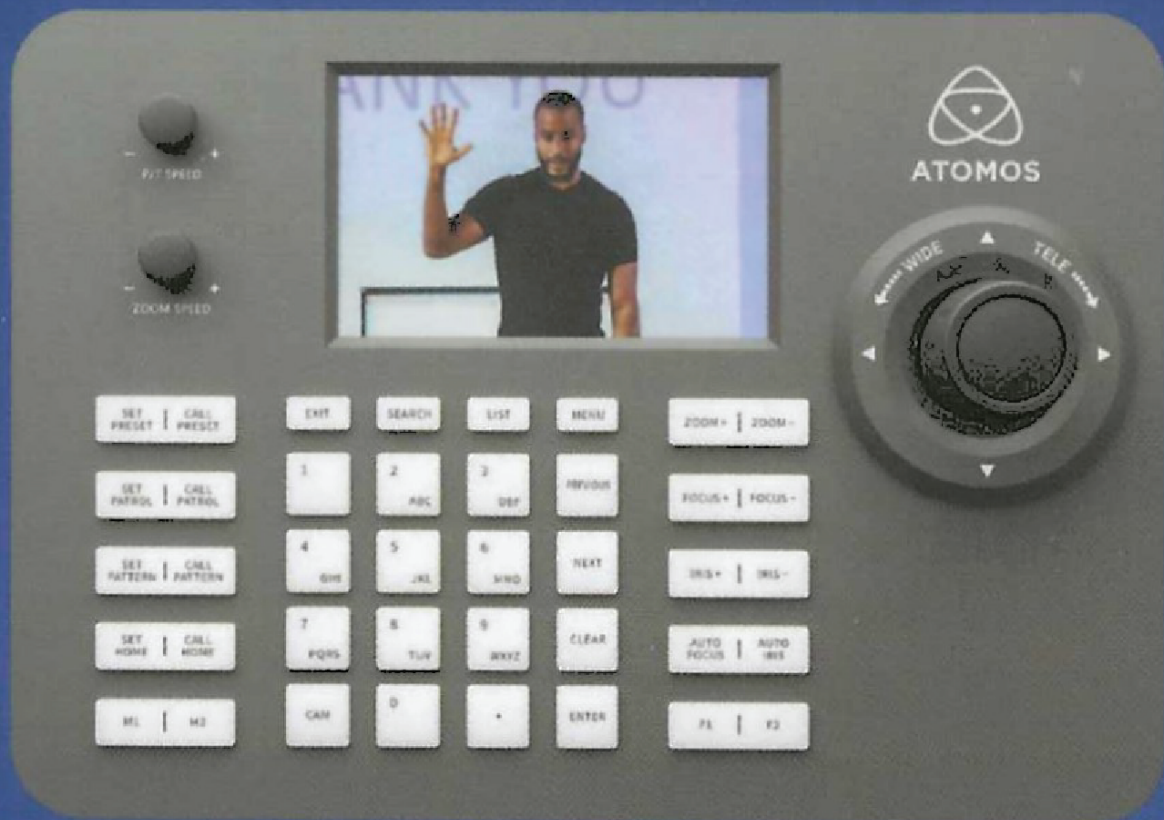




# A-EYE CONTROL

Let's get started!



# A-EYE CONTROL

## Introduction

Thank you for purchasing **A-Eye Control**. Please feel free to contact us if you have any questions or suggestions.

## Declaration

Due to firmware updates, the contents of this manual may differ slightly. This manual will be updated from time to time and we reserve the right to make changes without notice. If you have any questions, please do not hesitate to contact technical support via [www.atomos.com](http://www.atomos.com).

## 1.1 Description

**A-Eye Control** has a PC-ABS outer case, which is light yet very durable. The bottom is designed with a non-slip silicone pad so that the unit can be operated with one hand. The built-in screen is an industrial-grade 5-inch 1920x1280 resolution LCD with a super wide 170-degree viewing angle.

The 4D joystick, stepless knob buttons, and silicone buttons combine to give a great operating feel, providing a tactile and convenient alternative to using a web browser.

**A-Eye Control** supports the ONVIF protocol, compatible with 99% of PTZ cameras. Emphasis is on ease of use - only a few steps are required to achieve precise control of multiple PTZ cameras.

## 1.2 Product Features

- (1) Supports the ONVIF protocol and has an independent IP address in IP mode.
- (2) Equipped with stepless knob keys for adjusting control and zoom speed.
- (3) Features a variable-speed 4D joystick with comfortable grip. Twist the joystick to control the PTZ camera(s) directly.
- (4) Supports standard PoE power supply.
- (5) Designed with a non-slip silicone pad on the bottom.



1.3 Product Appearance

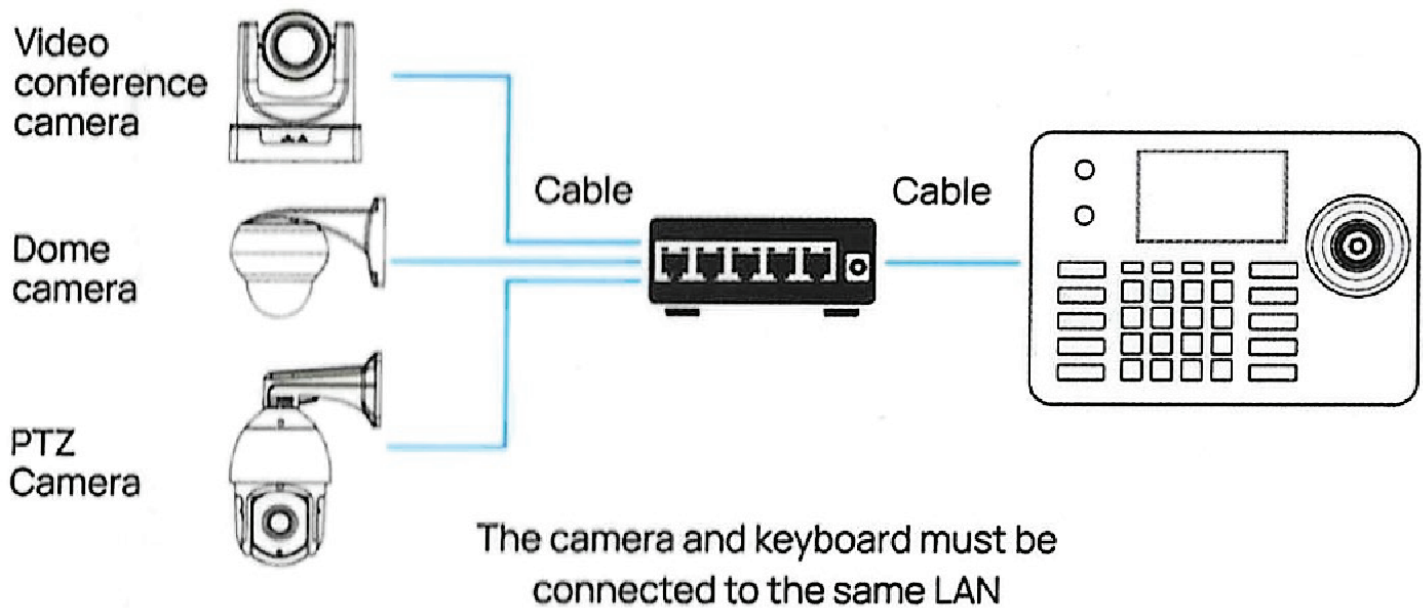


1.4 Interface Description

No.	Name	Function
1	Power Switch	
2	Power Interface	Standard 5.5 / 2.1 power interface; DC 12V2A±10%
3	IP Interface	To connect to a network or the internet
4	RS232	No function currently
5	RS422	No function currently

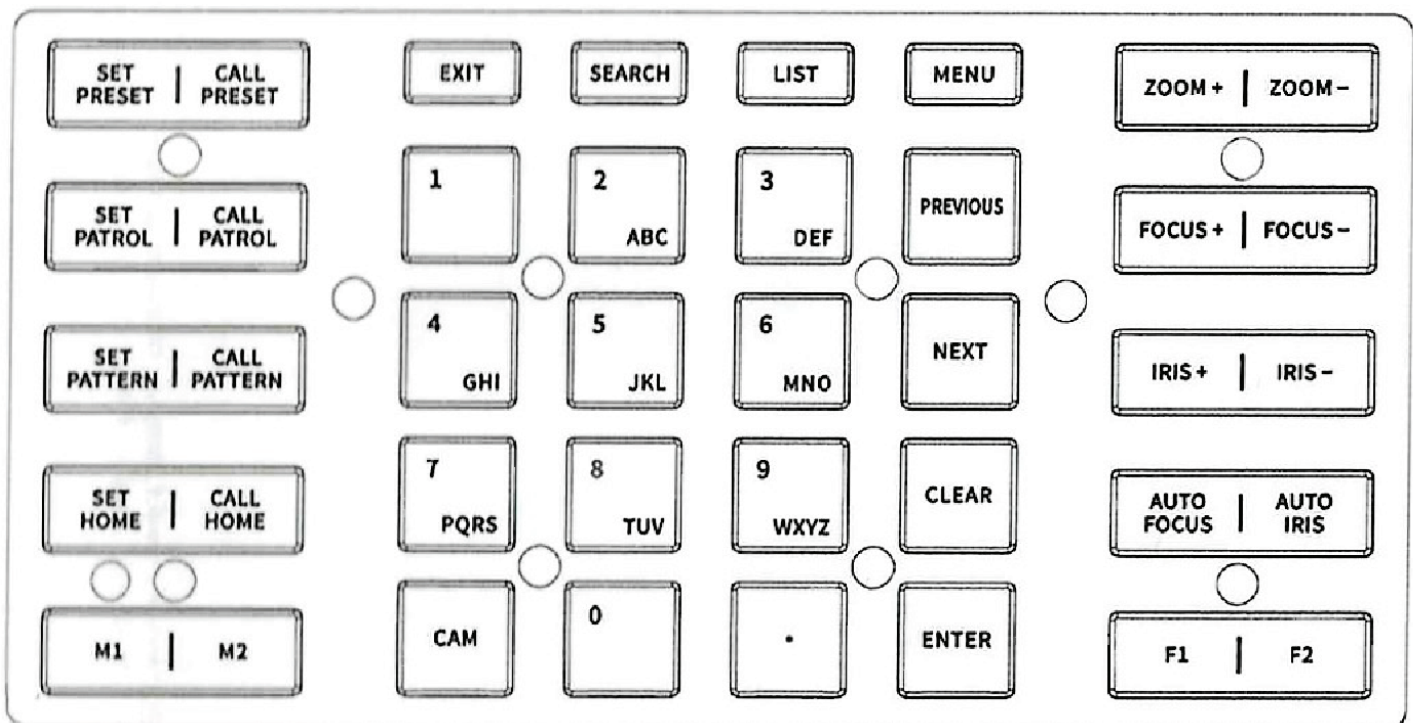
## 1.5 System Diagram

Example connectivity diagram using ONVIF protocol



## 2. Keyboard Functions

### 2.1 Button descriptions





### (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 presets supported)

### (2) 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.

### (3) SET PATROL: Example: Set patrol 1, adding Preset 1, 2, 3

[SET PATROL] > [1] > [ENTER] > [1] > operate the camera > [ENTER] > [2] > [ENTER] > [3] > [SET PATROL]

- A. Press [SET PATROL] , the text "Set patrol" appears in the lower right corner of the screen; press [1] button, the number 1 appears after "Set Patrol" on the screen, Press [ENTER] to set. "Preset 1: Speed: 8 Time: 15" appears in the lower right corner of the screen.
- B. Press [1], through moving the joysticks left/right, number keys, and CLEAR to adjust the speed and the dwell time of each preset; press [ENTER] , the "Preset 2:" will appear in the lower right corner of the screen: Speed: 8 Time: 15 " , press [2], press [ENTER], then press [3], and press [SET PATROL] to complete the setting.

(Note: the last preset is to press SET PATROL instead of pressing ENTER)

**(4) CALL PATROL:** Example: Call Patrol 1

A. Press [CALL PATROL]. The text "Call Patrol" appears in the lower right corner of the screen. Press [1], then press [ENTER] to call the Patrol.

**(5) SET PATTERN:** Example: Set Pattern 1

A. Press [SET PATTERN], and the text "Set Pattern" appears in the lower right corner of the screen; press [1], the number 1 appears after the "Set Pattern"; press [ENTER] to set, it will display "record Pattern 100%" on the screen, "setting Pattern" also display. Move the camera up/down, left/right, zoom. After the Pattern recording is completed, Press [ENTER] to save.

**(6) CALL PATTERN:** Example: call the saved Pattern

Press [CALL PATTERN], the text "Call Pattern" appears in the screen; press [1], the number 1 appears after the "Call Pattern" on the screen; press [ENTER] to call.

**(7) SET HOME:** Set Park Action preset

**(8) CALL HOME:** Call Park Action preset

**(9) M1:** No function

**(10) M2:** No function

**(11) EXIT:** Exit

**(12) 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.

**(13) 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

Select All
Cancel
Delete
Edit

(14) 1~9: Single point is a number key function / continuously press to switch letters

(15) CAM: For quick camera switching

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

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

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

(18) CLEAR: Delete one

(19) ENTER: confirm

(20) ZOOM+

(21) ZOOM-

(22) FOCUS+

(23) FOCUS-

(24) IRIS+

(25) IRIS-




(26) AUTO FOCUS

(27) AUTO IRIS

(28) F1: No function, it is for expanding function

(29) F2: No function, it is for expanding function

## 2.2 Knob Description

Operating	Output control	Operating	Output control	Operating	Output control
	Upward		Downward		Left



## Device Management

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To register your A-EYE CONTROL, visit:  
**[my.atomos.com/account](http://my.atomos.com/account)**




## Support

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If you experience any issues using the A-EYE CONTROL or have an unanswered question don't hesitate to reach out.  
**[atomos.com/support](http://atomos.com/support)**

Before attempting to use this product, please read this instruction card thoroughly and keep it safe for future reference. Specifications are subject to change without notice.



Operating	Output control	Operating	Output control	Operating	Output control
	Right		Zoom +		Zoom -

When in menu mode, press the middle joystick button to confirm

## 2.3 Knob Description

- (1) **P/T SPEED**: Increase: turn knob to the right. Decrease: turn knob to the left
- (2) **ZOOM SPEED**: Zoom in: turn knob to the right. Zoom out: turn knob to the left

## 3. PTZ and Keyboard Connection

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



- (1) Input the IP address of the camera into a web browser.
- (2) Go to Configuration--Network--Advanced Configuration--Integration Protocol
- (3) Tick and enable ONVIF
- (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 go to Search Device and 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)

Device List	Search>Results				
Search Device	select	Number	address	port	protocol
Manually Add	<input type="checkbox"/>	1	192.168.0.23	80	
System Set	<input type="checkbox"/>	2	192.168.0.149	81	
Network Set	<input type="checkbox"/>	3	192.168.0.108	8999	IPD-D53M02
Exit	<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

Select AllCancelDeleteEdit

Device List	Search>Results				
Search Device	select	Number	address	port	protocol
Manually Add	<input type="checkbox"/>	1	192.168.0.23	80	
System Set	<input type="checkbox"/>	2	192.168.0.149	81	
Network Set	<input type="checkbox"/>	3	192.168.0.108	8999	IPD-D53M02
Exit	<input checked="" 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

Select AllCancelDeleteEdit



Device List	Search>Adduser	
Search Device	Username	<input type="text" value="admin"/>
Manually Add	Password	<input type="text" value="admin"/>
System Set		
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)

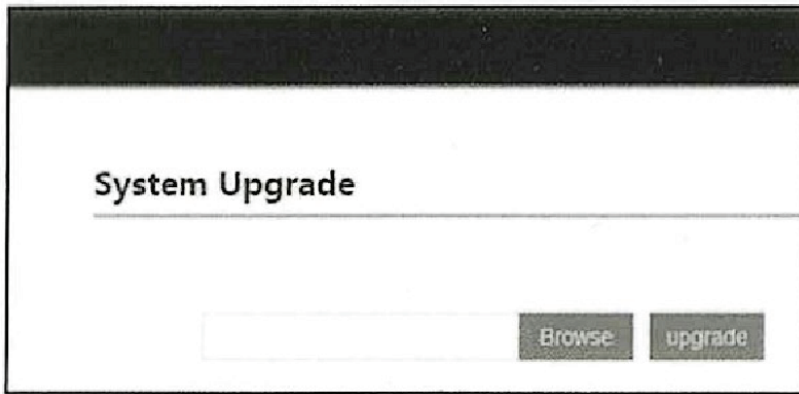
Device List	Search>Adduser	
Search Device	ip address	<input type="text" value="192.168.0.181"/>
Manually Add	port	<input type="text" value="80"/>
System Set	Username	<input type="text" value="admin"/>
Network Set	Password	<input type="text" value="admin"/>
Exit	Password	<input type="text" value="onvif"/>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

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

## 4. Web Update

### 4.1 System Update

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

A screenshot of a web browser window showing a 'System Upgrade' page. The page has a black header bar at the top. Below the header, the text 'System Upgrade' is displayed in a bold, black font. A horizontal line separates the title from the main content area. In the main content area, there is a text input field on the left and two buttons on the right. The first button is labeled 'Browse' and the second button is labeled 'upgrade'. Both buttons are dark gray with white text.

The upgrade function is used for maintenance and updating keyboard functions. 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

The device can be restored to factory settings through system settings and factory reset. Use with caution if the device is working properly.

### 4.3 System Restart

Click Restart to reboot the Control unit.