



KEDACOM BT-1008W Network Keyboard Controller Instruction Manual

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KEDACOM BT-1008W -Network -Keyboard -Controller



Summary

This network control keyboard is a powerful three-dimensional with multi-function, Easy to operate, no need to make any setting, plug and play; powerful hardware decoding capabilities, the first to achieve industry IP dome unlimited access for large safe City projects, support 5.0 "LED LCD HD real-time display; Support HDMI output to achieve the main console screen and control equipment screen salvo (comes matrix switching function), reducing installation costs! To support ONVIF2.4, back-end PTZ is not restricted by manufacturer, wide compatibility, with PTZ tour, A-B scan, 360°, pattern and so on functions.

Production Feature

1. Supports Tour, 360 Scan and A-B Scan, and so on function ;
2. To support ONVIF2.4, not limit for back-end PTZ, easy to realize PTZ tour, A-B scan, pattern, play, and plug, without any set, automatically add and allocate IP address by keyboard;
3. Standard equipped with dimensional control, 1-64 grade speed limit, precise position, control sensitively;
4. Chinese and English switch ;
5. To support USB HDMI interface output can be realized main screen picture with any switch on the control board;
6. To support 5.0"HD LED, real display image on control device;

Technical Specification

Model Name	Network keyboard controller
Model	BT-1008W
Control Mode	Network
Controllable Device	Network High Speed Dome, High Speed Dome
Screen display	5.0" HD LED Display
Interface	1 RJ45, 2 RS485(reserved), 1 DC12V, 1HDMI output, 1 USB port
Ambient Temp.	-20°~55°
Power Supply	DC12V/2A
ONVIF	ONVIF2.4
Joystick	Three-dimensional joystick
Language	Chinese/English
Access Device No.	No upper limit display by single picture
Image Switch Mode	Serial number or mouse
Product Size	260mm*160mm*48mm
Weight	Gross: 1.52KG / Net:1.0KG
Carton Size	300mm*210mm*160mm

Panel and Interface Introduction

Front panel and function buttons introduction

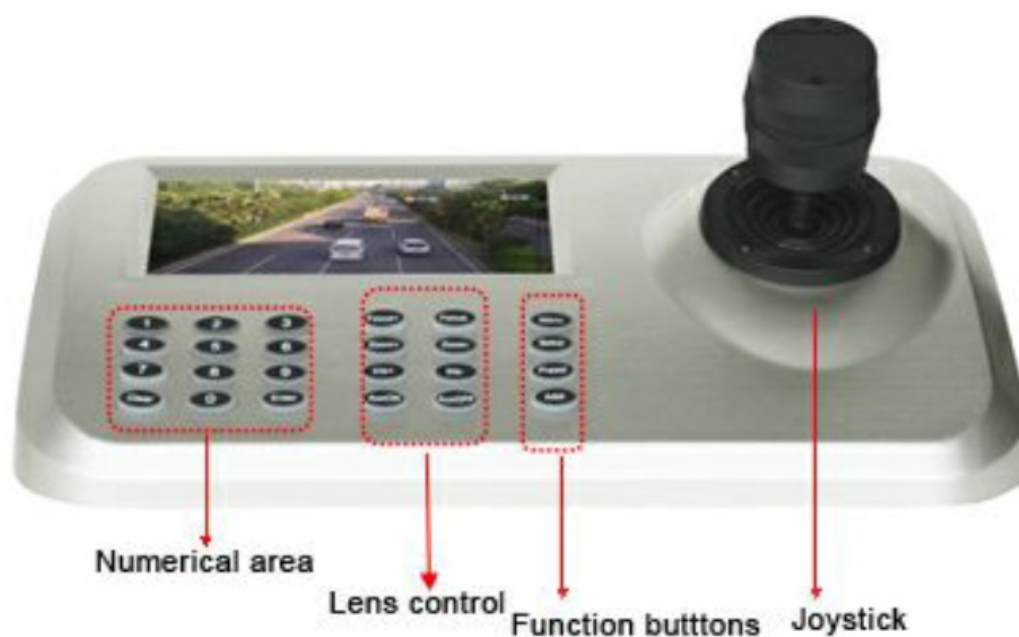


Fig.1

Rear panel interface introduction

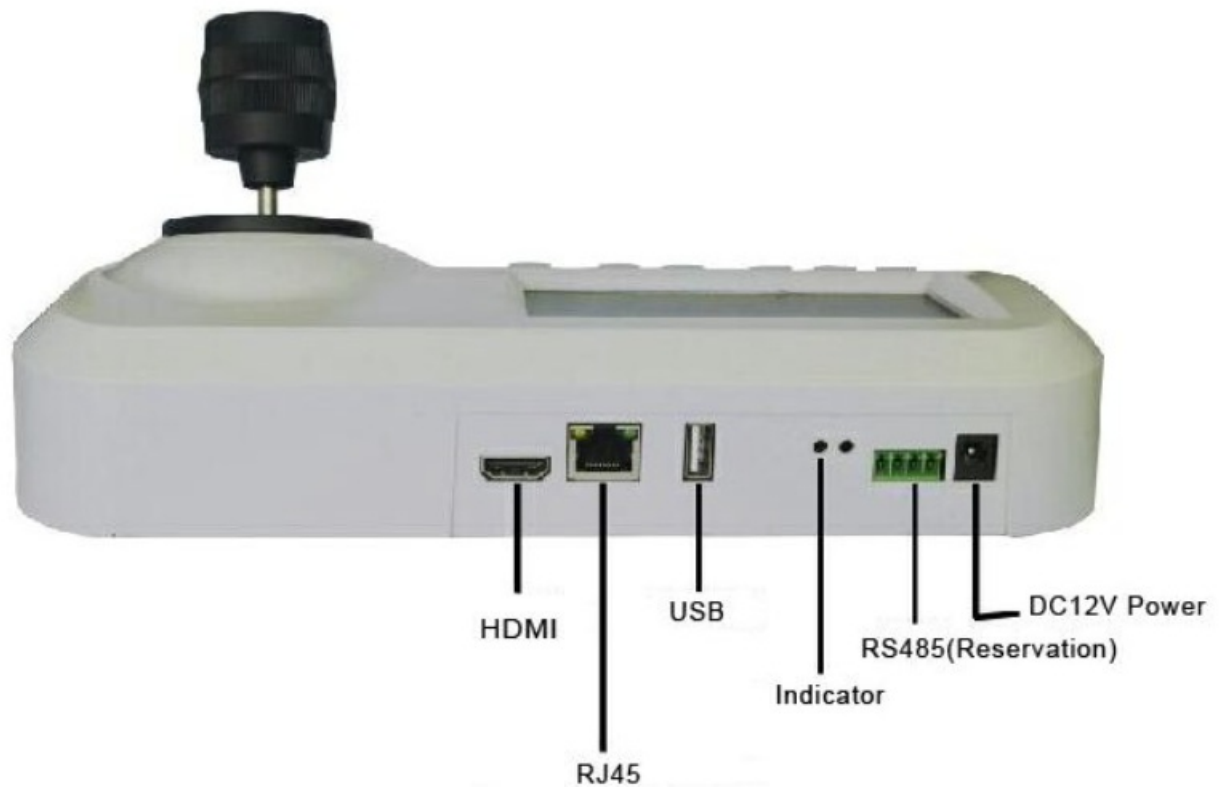


Fig.2

1. Input power: DC12V/2A
2. reservation output interface: RS485 (not available now)
3. Power indicator
4. USB interface: it is available for connecting the mouse to operate the network keyboard
5. RJ45 network interface: through the IP switch to access the network
6. HDMI interface: Used for connecting Big HD Screen to realize synchronous switch between keyboard LED and the Big HD Screen

Keyboard function introduction

Connection



Fig.3

As the above picture show, Ensure the keyboard is in the same LAN with the devices.

Remark: The keyboard supports “0” and “1” in two different network segments. If the keyboard or the device does not in these two segments, the keyboard will not be able to add a device.

Power on and add the device

Add device way under power on

When the keyboard is powered on normally, the automatic search IP interface will pop up 60min later, as below: After the IP search is finished, the user can move up and down the cursor by joystick, select IP device needed to access the device, press “Enter” then can save the device and display the corresponding IP image; when the screen displays image normally, then can be realized to control PTZ of the front dome.



Fig.4

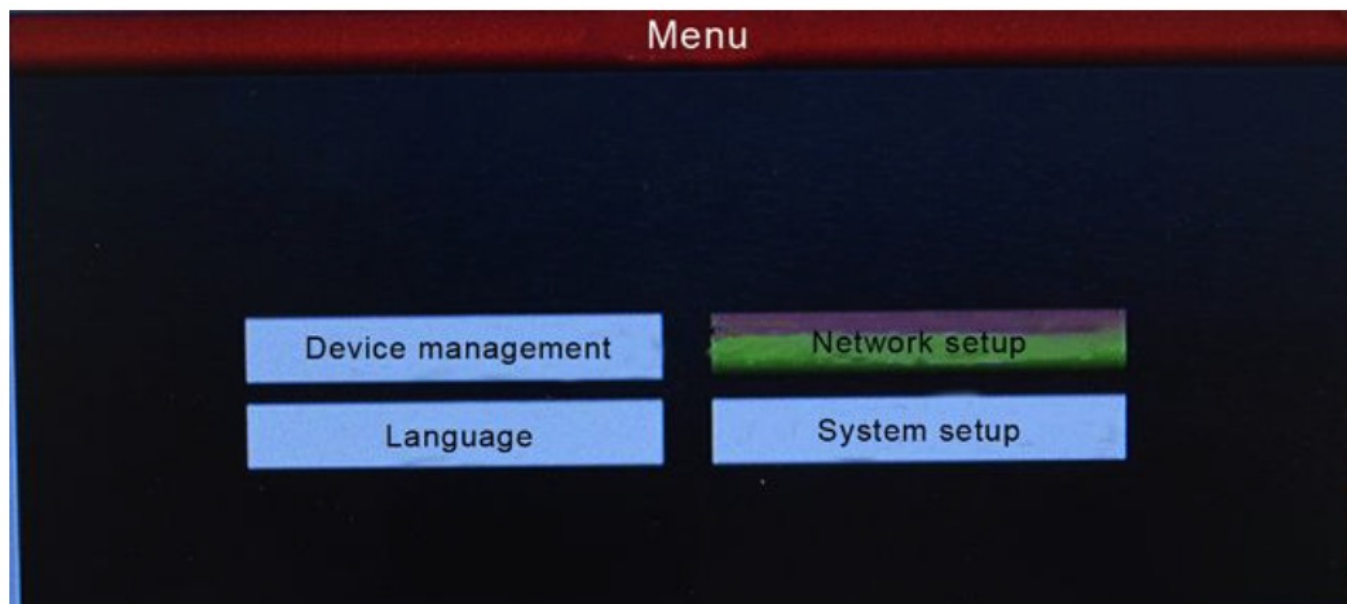
Remark: The keyboard supports the power-off memory function. If re-power the keyboard and after finish the self-test, it will be restored the IP image as the previous power-off.

Automatic search and manually add device

Automatic search

After the network keyboard is connected to the front-end device, then press “Menu” on the keyboard panel, then

will pop up main menu interface as below:



Choose “device management”, click “Enter” to the next sub-menu, and select “search add” and confirmation. Please move the cursor to the top to select “search” and click “enter”, then can search and add automatically in the network PTZ of all area networks. Select the IP address of the image, press “Enter” to save the corresponding image, and displayed it.

Manually add device

When access to other manufacturer’s PTZ, because of the limit of the port and PTZ log-in password, there will exist that IP can’t complete adding automatically, then can us manually add function now, the operation as below: Click the “Enter”, select “device management”, “manual add”, enter to the following interface:

A screenshot of a manual device addition interface. It features a dark blue background with a red header bar. The interface contains four input fields with labels to their left: 'IP address:' with the value '192.168.1.18', 'Port:' with the value '8899', 'User name:' with the value 'admin', and 'Password:' with the value 'admin'. Below these fields are two light blue buttons: 'Confirmation' and 'Cancel'.

On the keyboard interface, input and fill in “IP address, port, name, password”, then press confirmation, then can display and save corresponding IP images.

Remark: 1. please check the IP port, password, and other information before manually adding the IP address. Menu” button is also the return button.

PTZ control and image switch

IP channel switch

As shown above, in figure 4, the user can switch the image channels by the corresponding S/N on the left of the IP address list.

- Press the “Addr” button under the normal image display, and choose the corresponding S/N with the left of the IP address list. The keyboard will switch to the corresponding IP address when
- you press the “Enter” button. For example, switch to the above figure 192.168.1.145 as the following way:
- Please press the “Addr” button, and press “No.3”; last press “Enter”.

Remark: Image switching except through the keyboard shortcut also can be introduced into products through equipment management. Please select the corresponding IP address and press “Enter” to save it to come true.

Rocker operation and lens control

On the right side of the keyboard, it's a 3D vector rocker. Users can easy to control PTZ and speed.

Direction control

Users can pass a moving rocker to control PTZ in different directions: left, right, up, down, up left, down left, upright, downright, rotate.

Zoom

- Zoom in: Rotating vector rocker in the right direction to make the lens closer.
- Zoom out: Rotating vector rocker in the left direction to make the lens farther.

Lens control

Six buttons to control lens: FOCUS+, FOCUS-; ZOOM+, ZOOM-; IRIS+, IRIS-. These are used for focus, zoom, and iris.

1. Focus: adjusting the focus distance. It can manually adjust images via the “FOCUS+, FOCUS-” buttons.
(Default of camera module is an automatic adjustment)
2. Zoom: adjusting the lens distance. It realizes zoom in and out.
3. Iris: Iris function means changing the value of F to make the image realize bright or dim by manually adjusting.
(Default of the camera module is an automatic cursor, it is not available.)

Preset operation instruction

Preset instruction Preset function means that store camera state (horizontal angle, tilt angle and lensspec) .It can realize recover the setting state in advance and call it.

Set preset

Rotating PTZ into the target monitored position. Press the setting button “Setup ” and choice the preset point, for example: “ 1 ” and press “Enter ” button to finish preset setting. Remark: 1. The preset point will replace the previous recording if you save the same preset number as the previously saved point. 2. It's no related to saving the quantities of presets, it is based on the front device specification.

Call preset

Please check if the preset point is successfully saved before you call preset. Otherwise, the operation is vain.

Operation way as below:

1. Press the “Preset” button ;
2. Input the preset number ;
3. Press the “Enter” button. PTZ will automatically return to the preset point in advance.

Delete preset

1. Press the “CLEAR ” button;
2. Input the preset point which one do you want to delete;
3. Press “ ENTER” to delete a preset point.

Tour,360 Scan, and A-B Scan

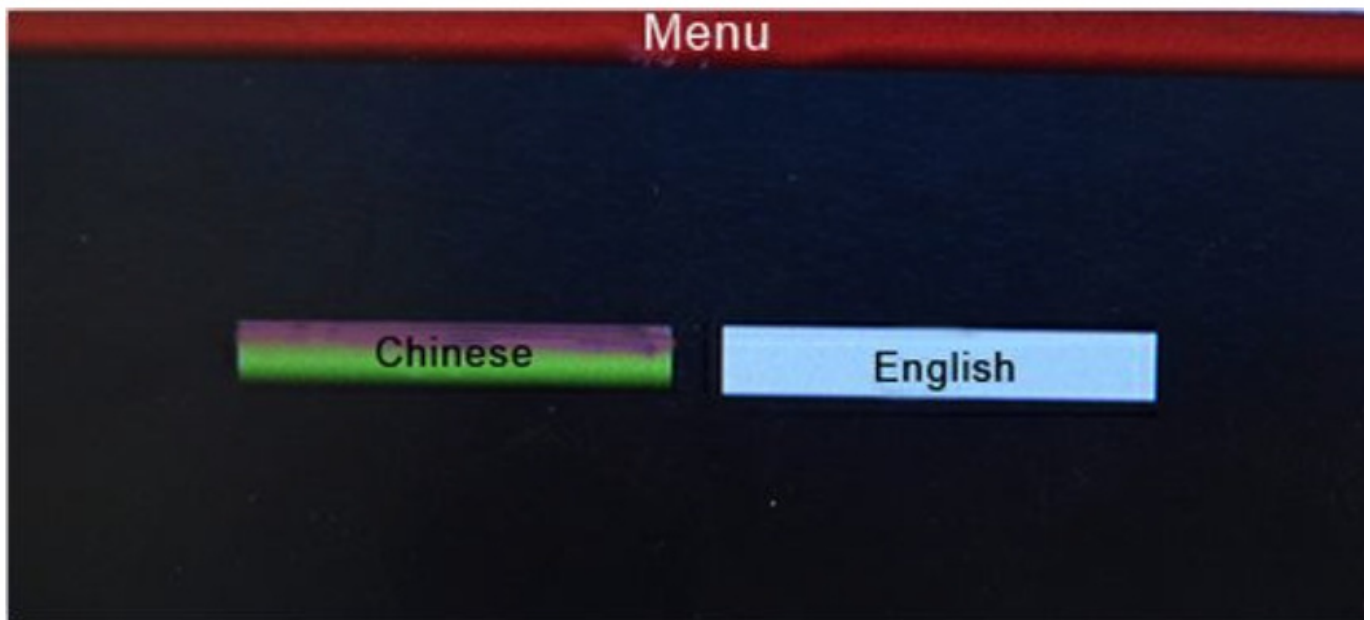
For all of the Tour,360 Scan, and A-B Scan settings, you can use the short commands, Such as run the Tour function, you just only press“PRESET ”+98+ ENTER then the PTZ camera will be running all the presets automatically; 360° Scan: Preset 99+Enter; A-B Scan: Preset 92+Enter(only for Preset 1 to Preset 2 position). The following presets are predefined as a special function, please Press the Preset No.+Enter to enable those functions:

Remark: Please be noted that the special functions are only for our controller, Since different control equipment have different protocols if using some other controller, some special functions probably can't be effective.

PRESET	FUNCTION	PRESET	FUNCTION
81	Auto Day/Night	84	Force on Far Light
82	Switch to Night	85	Force on Near Light
83	Switch to Day	92	A-B Scan
98	Tour 1	97	Tour 3
96	Tour 3	99	Pan Scan

Language

There is Chinese and English Language for optional Enter to the Main OSD and choice the Language you need, press the button“ENTER ”, then it would be saved it automatically.As the below picture show:



LED Display

This Keyboard controller with a 5" LED Display and Supports Main Stream and Sub-Stream for optional. Press the button "MENU" Enter to the Main OSD find the "System" item and choice the "Main Stream" or "Sub Stream", press "Enter" Remark: LED Display could support the Sub Stream of 4.0MP and above device, but can't with Main Stream.


IP address

The Default IP address of the keyboard is "192.168.1.2" The IP address of the camera and keyboard must be in the same Network Segment, and can't be the same address or there will be no image of the keyboard Change the IP address of the Keyboard Press the button "MENU" enter to the main OSD and then find the "Network" type into the IP address you want. Press the "Enter" to save it. after the keyboard auto-reboot, it's changed Successful. Remark: The new IP address must be in the same network segment as the camera

Exception Handling

Issue	Possible Reason	Solution
Can't add the Device	The conflict IP address with the IP camera	Change any one IP address of the keyboard or camera
Can't run the Tour	The command is inconsistent with the actual	Confirm that the command is same as above 2.5 item instruction show
Auto Reboot	Input power voltage is too low	Change it with the correct power supply
Get the IP address ,but can't add the Device	The cursor has been stuck in the search,when you add the device,the keyboard research again	Move the Cursor to the IP address to confirm which one you want to add it
After Power is applied,there is no working	1. Power supply doesn't work 2. The master board of keyboard is broken	1. Change a new power supply 2. Contact factory for maintenance
Control insensitive	Differences between different manufacturers protocol compatible	Contact factory technical to upgrade the software
No Image	Access devices with higher resolution, does not support more than 1920 * 1080	Change the keyboard Stream as Sub Stream

Documents / Resources

	<p>KEDACOM BT-1008W Network Keyboard Controller [pdf] Instruction Manual BT-1008W, Network Keyboard Controller, BT-1008W Network Keyboard Controller</p>
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