

# DVR Keyboard User Instruction

**(Please read this instruction carefully before use the product)**

The JK900 keyboard Control high speed dome camera and puts, it is the main equipment for man-machine interface in surveillance system, can be used as main keyboard or branch keyboard, It is very easy and enjoy to control the PTZ camera with it.

**Features:**

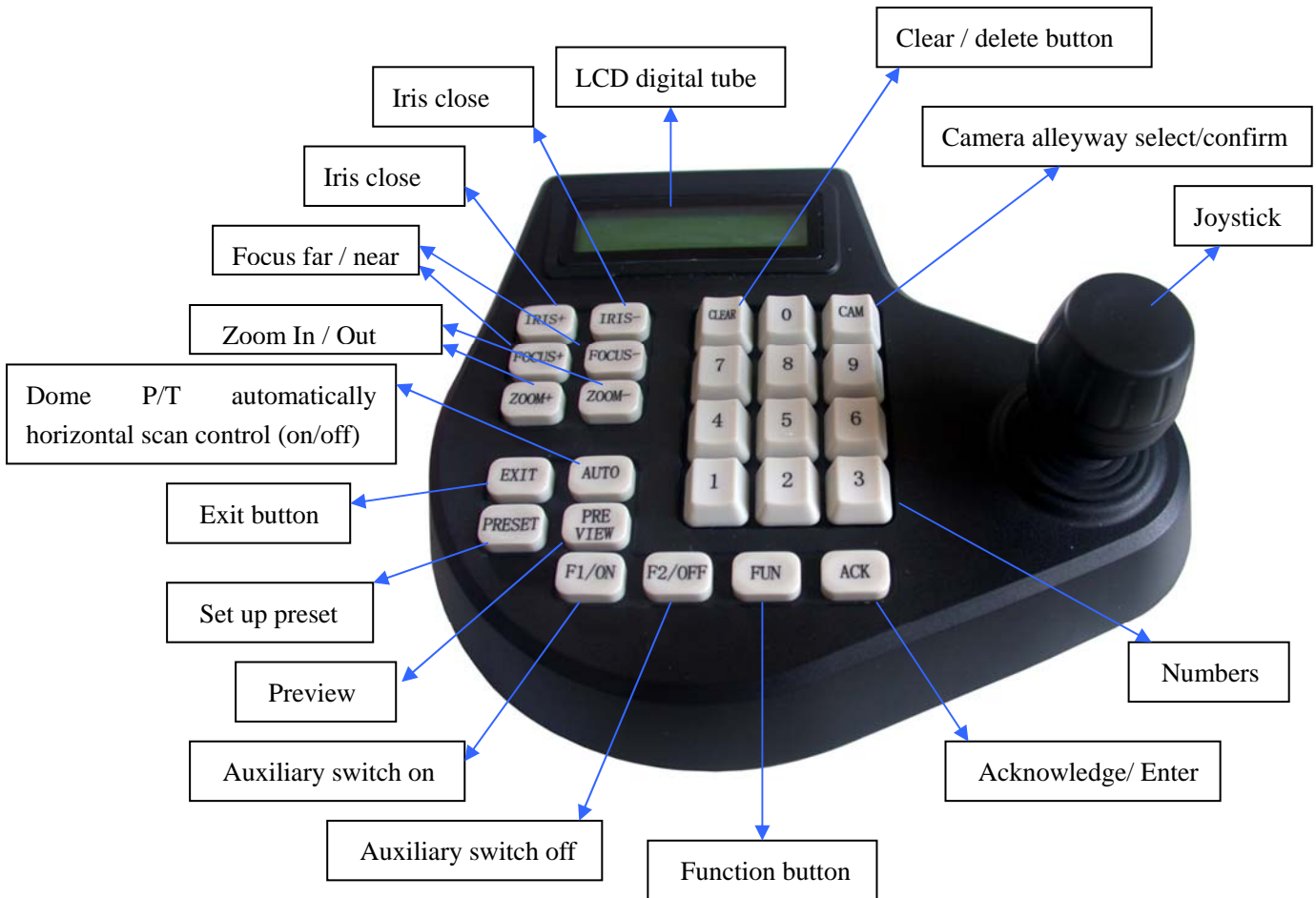
- LCD display, as man-machine interface, LCD display board is more intuitionist, convenient, each to understand, plentiful information, etc.
- In-built multi-protocol: Pelco-D, Pelco-P, Pelco-D1, Pelco-P1, New maximum 1.5KM\*\* (4900ft) long communication distance, ideal for applications where a Gate House or Security Lodge is located a distance from the installed unit.
- Can be combined to control the PTZ camera with a Stand alone DVR

Maximum controllable 128 units PTZ cameras

**Specifications:**

MODLE	JK900
Power supply	DC9V-12V, 500mA
Communication	RS485
Protocol	Pelco-D, Pelco-P, Pelco-D1, Pelco-P1, New
Baud Rate	1200, 2400, 4800, 9600, 19200
Communication Distance	1500mm(4900ft)with twisted-pair
Max controllable Cameras	128 units
Camera ID from	1-255
Dimension	70 (H) x165 (W) x270 (L) mm
Temperature Operation	0-60° C

## I: OPERATION OF THE KEYBOARD



### 1. SELECT DOME CAMERA /DECODER ADDRESS N [CAM]

Indication: the CAM area of the LCD would show the value of new N

Specification: N --- Camera No., Scope: 1~255

Function: select the camera address which is going to be controlled, as the N value is matched to the Dome camera / Decode address, the Dome camera / Decode would be controlled.

### 2. DOME P/T LENS CONTROLLING

[ZOOM+] : Zoom in

[ZOOM-] : Zoom out

[FOCUS+] : Focus far

[FOCUS-] : Focus near

[IRIS+] : Iris big

[IRIS-] : Iris small

[AUTO] : ON/OFF automatically

Windshield STAR/STOP: Press "1" button and then press [F1/ON] to star, press"1" and then press[F2/OFF] to stop

Windshield ON/OFF: Press "2" button and then press [F1/ON] to enter, press"2" and then press[F2/OFF] to exit

Joystick can control the direction and speed of revolving/ up & down of Dome P/T, Speed of revolving/up & down depends on the angle of controlling the joystick, by changing the size of tilt angle of the joystick can adjust the revolving speed equably.

Indication: the above operation information will be showed in the DATA area of the LCD

### 3. SETUP PRESET N

Indication: the DATA area of LCD would show information of "PRESET"  
Specification: N ---- PRESET NO. Scope; 1~255  
Function: Save the present position as No. N

### 4. RUN PREVIEW N

Indication: the DATA area of LCD would show information of "PREVIEW"  
Specification: N ---- PRESET NO. Scope: 1~255  
Function: Revolve the camera to the position of PRESET NO. N

### 5. DELETE PREVIEW N

Indication: the DATA area of LCD would show information of "DELPRE"  
Specification: N ---- PRESET NO. Scope: 1~255  
Function: Delete the PRESET NO. N saved

### 6. ON/OFF CAMERA MENU

#### 6.1 Menu ON [3] [F1/ON]

Indication: the DATA area of LCD would show information of "MENU ON"

#### 6.2 Menu OFF [3] [F2/OFF]

Indication: the DATA area of LCD would show information of "MENU OFF"

### 7. HOME ON /OFF

#### 7.1 Home On [4] [F1/ON]

Indication: the DATA area of LCD would show information of "HOME ON"

#### 7.2 Home Off [4] [F2/OFF]

Indication; the DATA area of LCD would show information of "HOME OFF"

### 8. KEYBOARD MENU SETUP

#### 8.1 Set up Patrol Group of High-Speed Dome Camera

##### ①Patrol Group Set Up

Press [FUN] button enter into Keyboard menu, the LCD would indicate:

1) Speed	Dome
Group	Setup

The information indicates the set up of the High-Speed Dome Camera Patrol Group

Press [ACK] button, the LCD would indicate:

1.0 Speed	Dome
No.1	Group No.1

The information indicating request users input the address of the High-Speed Dome Camera and the number of the Patrol Group

## ②Set Up Address of High-Speed Dome Camera and Number of Patrol Group

Input Manner : press number button (0~9) to input the address “1~128”of the High-Speed Dome Camera ,after finish, press [F1/ON] button to switch the cursor to the setup status of input Patrol Group , then press number button to input patrol group numbers”1~4”. For example: if user set up the second group of patrol group of No.3 Dome camera, firstly input No.”3” , and press[F1/ON] to switch the cursor to the setup status of Patrol Group , and then input “2”, at the moment the LCD indicates :

1.0 Speed	Dome
No.3	Group No.2

After finish setting up the address of High-Speed Dome Camera and number of Patrol Group, press [ACK] button to confirm and enter into next set up step.

## ③Add PRESET NO. into Patrol Group

### 1. Add PRESET NO.

Finish setting up the High-Speed Dome Camera address and Patrol Group in step ②, press [ACK] button to enter into adding PRESET NO. status, the LCD will indicate at the moment :

1.1Add	position
Position	No.:1

The information indicating request users to input PRESET NO..

Press number button “0~9” and input PRESET NO.”1~128”, after finish, press [ACK] button to confirm and enter next setting step

### 2. Set up specification of PRESET NO.

After press [ACK] button in the last step, the LCD indicates:

1.2Position: XXX
Time:3

The information indicating request users to set up speed of the PRESET No. and Stop time. "XXX" is the PRESET NO. input in last step .

Press number button "0~9" to input the stop time of PRESET NO., stop time scope: "1~255". After finish input, press [ACK] to confirm, one PRESET NO. is added to the Patrol Group successfully , at this moment the LCD would back to status of indicating input PRESET NO., preparing to add next PRESET No. . Add all PRESET NO. to Patrol Group according to the manner of step 1& 2.

④ Save the Patrol Group set up in step ③ into High-Speed Dome Camera

In step③, after finish adding all PRESET NO., LCD will be back to status of adding next PRESET NO., that is, the LCD indicates:

1.1Add position Position No.:1
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Press [F2/OFF] button then , the Patrol Group set up in step ③ would save in High-Speed Dome Camera, the LCD would then back to step ②.

⑤ By operation of step②,③,④ to up Patrol Group of all High-Speed Dome Cameras ,after finish setting up , press [EXIT] button twice continuously to exit set up status.

## 8.2 Set up Keyboard Baud Rate and Protocol

This keyboard can set up different protocol and baud rate for each channel. When the keyboard switch the dome camera/ decode address, it will output the relative control order according to the protocol and baud rate set up.

① Baud Rate / protocol setting up

Press [FUN] button repeatedly to make the LCD indicates:

2) Keyboard Setup
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Press [ACK] to enter into setting up status of Baud Rate / Protocol.

① Input Channel No. to be set up

As entering to the setting up status, the LCD indicates:

1. Please Input
2. Camera No.888

The indicating information request users input the channel number of setting up protocol and baud rate. The keyboard default channel number is “888”, it means that to set up all channels with same protocol and baud rate. Users should change “888” into the relative channel number if there are some particular channels requested, channel scope:”1~128” .

② Set up protocol and baud rate

After the channel is set up, press [ACK] to enter into setting up status of protocol and baud rate, then the LCD indicates:

Protocol: PELCO\_D  
Baud Rate: 2400

The indicating information indicates the present protocol and baud rate.

The keyboard offers 5 protocols for users to choose ( PELC-D,PELCO-P,PELCOD1,PELCOP1,NEW) , press [PREVIEW] or [PRESET] button to choose the suitable protocol. After the protocol finish setting up, press [F1/ON] to switch the cursor to status of setting up baud rate. The baud rates can be set up by the keyboard are: 1200, 2400, 4800, 9600, 19200. Press [PERSET] or [PREVIEW] to choose suitable baud rate.

③ Save the present setup of protocol and baud rate

After finish setting up protocol and baud rate, press[F2/OFF] button to save the present setup to the keyboard .The keyboard is back to input new channel number status .

④ By operation of step ②,③,④,different protocol and baud rate of particular channels can be set up , after all these setup are finished, press [EXIT] to exit the setup status.

### 8.3 Left /Right delimitation setup

① Left/Right delimitation setup

Press [FUN] repeatedly to make the LCD indicates:

3) Limits Setup

Press [ACK] button to enter into Left/Right delimitation setup status.

② Set up Left delimitation

When enter into Left/Right delimitation setting up status, the LCD would indicate:

3.0 Limits Setup
Limit: Left

Press [PRESET] or [PREVIEW] button to make the cursor indicates “Left”, operate the joystick to make the dome camera revolve to the left delimitation setup position. Press [F2/OFF] button to save the position into dome camera. At the moment the LCD would indicate:

Left	Limit
Set	OK!

③ Set up Right delimitation

When enter into Left/Right delimitation setting up status, Press [PRESET] or [PREVIEW] button to make the cursor indicates “Right”, then operate the joystick and make the dome camera revolve to the right delimitation setup position. Press [F2/OFF] to save this position into dome camera. At the moment the LCD would indicate:

Right	Limit
Set	OK!

④ Exit Left/Right delimitation Set up

Press [EXIT] button to exit Left/Right delimitations setup status.

## 8.4 Dome Camera Home Setup

① Home setup

Press [FUN] button repeatedly to make the LCD indicates:

4) Home	Setup
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Press [ACK] button to enter into Home Setup status

② Set up Home

When enter into Home setup status, the LCD would indicate:

4.0 Home	Setup
Home :	current lie

Operate the joystick to make the dome camera revolve to the Home setup position. Press [F2/OFF] button to save the present Home setup into dome camera. At the moment the LCD would indicate:

Home	lie
Set	OK!

③ Exit Home setup

Press [EXIT] button to exit Home setup status.

### 8.5 Run Dome Camera's Patrol Group

① Enter run patrol group menu

Press [FUN] button repeatedly to make the LCD indicates:

5) Run	Group
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Press [ACK] button to enter run patrol group status

② Input Patrol Group number of Dome Camera

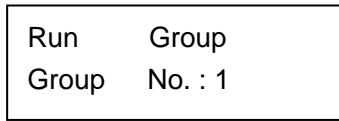
When enter Running patrol group of dome camera status, the LCD would indicate:

5.0 Input	Group
No.:	1

Press number button "0~9" to input the patrol group number, its scope is "1~4".

③ Run Patrol Group of Dome Camera

After input the patrol group number, press [F2/OFF] button to run the patrol group of the dome camera, at the moment the LCD would indicate:



④ Exit Running Patrol Group of Dome Camera Status

Press [EXIT]

II.INSTALL

CAUTION: Please read this keyboard instruction carefully before connecting. Any error connection may cause permanent damage of the equipment. Please turn off the power of the keyboard before connecting. The connection of communication lines between equipments must use twisted-pair with shield. To avoid high pressure lines or other possible disturbance as possible as connecting the communication lines.

