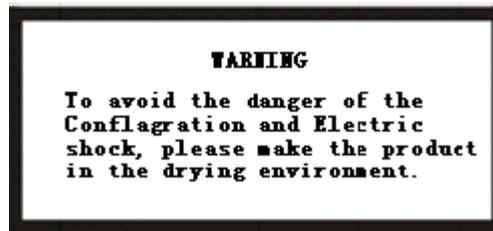


Operational Manual for Intelligent Digital Controller

V. 2.0

Keyboard

The installation should be done by professional installer and please refer to the related regulation.



High pressure inside,



Be careful the Electric shock.

Please refer to the manual for the repair.

Open the package to check:

When you received the products,

Please open the package to ensure the following accessories in the package.

- 1, Carton, foam or sponge, safety preserve etc
- 2, Integrant accessories.
- 3, Operation Manual.
- 4, Security user manual, Guarantee byelaw and Equipment certification.

Installation and After-service

If there is any question in the process of the installation, please contact our After-service Dept. The user should keep the intact bar code, so that to get the fast After Service.

Maintenance & Repair

Our company's product is protected by property right.

Please follow the instruction of the manual strictly in the process of the installation and application, otherwise it will cause wireless electric wave disturbance.

Before return to repair, please take the repair number from our company first, and post the product in term of the transport regulation to avoid the unnecessary dissension which comes from the product's damage in the returning route.

Considering of the security, the user just can do some simple maintaining work, for more details, please refer to the security manual. If you want to disconnect the cover for servicing, please contact the professional personnel.

The product will be caused the badness disturbance possibly when use at the residential district, please try your best to control.

- ★ Our company owns the power of explanation for changing product's design and specification, we are sorry but we can not be notified later.
- ★ Our company owns this copyright, without our admission, please do not copy any of the manual.
- ★ Please keep intact bar code, so that you can get the fast after-service.

Summarize

This keyboard is a multifunctional desktop controller. Not only it has a streamline appearance, but also has Chinese/English display with big LCD screen, it makes the user more convenient to operate. This keyboard can display the camera's state and control the PTZ & Camera Lens, Setup and Call the preset, Call camera menu and Control DVR. And it has the function of setup menu, communication protocol, Baud rate, language, time and date etc.

Keyboard Function:

- Manage the User's purview: In order to restrict the stranger to operate, the keyboard provides the password function.
- Set up and modify the user and the password.
- Set up the joystick mode.
- Communication protocol set up.
- Baud Rate set up.
- PTZ and Camera Lens control.
- Set up & Call the preset.
- Call the camera Menu.
- Start-up the preset TOUR of the PTZ .
- Start-up the PATTEEN of the PTZ .
- Start-up the PTZ auto-scan.
- Set up the PTZ alarm.
- Set up the PTZ assistant switch.

Technical Specification

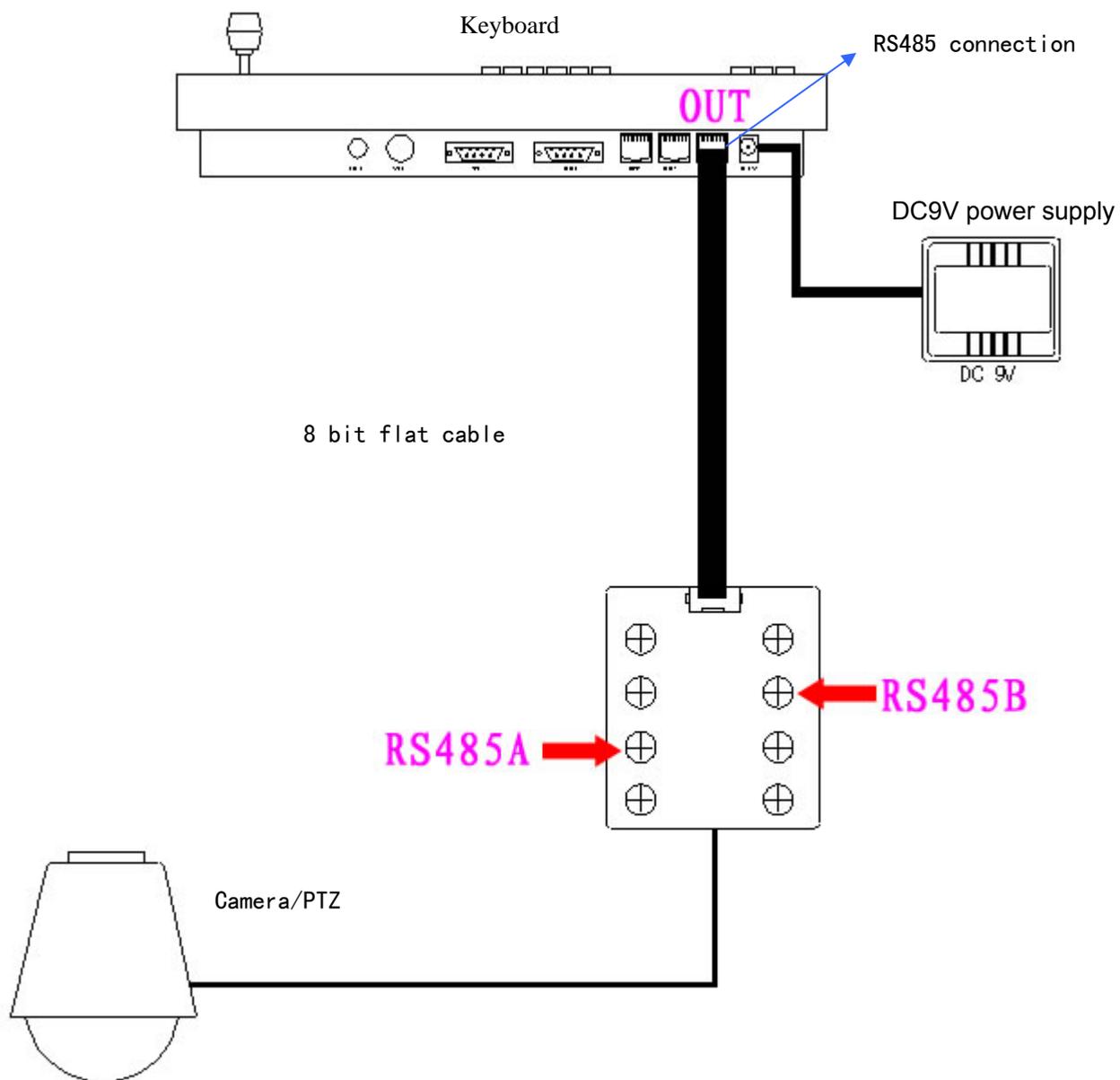
Model

Keyboard: The PTZ functions can be realized by joystick of 2D/3D.

Electric Data

Input Voltage:	DC9V/1000mA		
The Keyboard connection:	RS485 x 2pcs	RJ-45	8pinhead
	RS232 x 1pcs		9pinhead
The keyboard communication:			
Normal Mode			
Connection	RS485		
Protocol	PELCO“D / PELCO“P”		
Baud Rate	2400, 4800, 9600, 19200 (Optional)		
Communication parameter	8pcs data bit, 1pcs stop bit, W/O verify.		

INSTALLATION



Key-Press Specification

MENU	CALL CAMERA MENU	7	INPUT No.7
TOUR	Start-up/Stop PTZ preset TOUR	8	INPUT No.8
SCAN	Start-up/Stop PTZ auto scan	9	INPUT No.9
PATTERN	Start-up/Stop pattern	0	INPUT No.0
SHIFT	The Second function	MON	No definition
1	INPUT No. 1	CAM	Select Camera
2	INPUT No.2	BEFORE	CALL the pre-preset
3	INPUT No.3	NEXT	CALL the next preset
4	INPUT No.4	PRESET	Set-up preset
5	INPUT No.5	ENTER	Confirmation
6	INPUT No.6	CLEAR	Clear
CALL	Call preset	MUX-C	Joystick verification
PGM	Programme		
CLOSE	Camera IRIS dwindle	OPEN	Camera IRIS largen
NEAR	Camera focus near	FAR	Camera focus far

TILE	Camera zoom in	WIDE	Camera zoom out
AUX1	Secondary contact one	AUX2	Secondary contact two
AUX3	Secondary contact three	AUX4	Secondary contact four

Keyboard set up

(1) Setup state

In the operation, the user can modify the parameter of the keyboard through enter into the keyboard's set up interface. Press [SHIFT] first, and press [C-MENU] followed, the LCD screen will display the user's enter interface. Setting [0] ~ [9] in order to input the password. The valid password has four numbers, 0000 is the initial password. One password has been input the LCD screen will display one sign "*", when the four passwords have been input, please press [ENTER] to confirm. But if the 4 passwords are not deficiency, press [ENTER] is invalidation. The LCD screen will display the error information as follows when the input password is error, the user have to input the password again. The keyboard enter into set up state when the user entered, the keyboard set up interface will displayed on the LCD screen, as follows picture.

```

PASSWORD: ****

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```

                SET UP1
>DOME:                2D
PROTOCOL:            PELCO-P
BAUD:                9600
INPUT:                000

```

(2) Setup Method

The LCD screen display the setup interface of the keyboard when the keyboard in a state of setup. This interface shows the programmable parameter's name, content, the cursor of the current parameter (">") and the cursor of page-up/page-down and exit. The parameter of controller displays by pagination.

1, Move cursor: The user can move the joystick up and down to move the position of the cursor, the joystick moves up and down, the central cursor is also moves upwards and downwards, the joystick will back to the center and the cursor come to rest when loosen the joystick.

2. Modify the parameter content: Move the joystick up and down to make the cursor in the front of the modified parameter, the cursor vanished while press [ENTER] into this parameter, the twinkling cursor displayed behind the content of the parameter. The parameter's content will be change when move the joystick down, as follows picture. Choosing the needed parameter's content and press [ENTER] to confirm the one and it also can exit the one, at this time, the cursor redisplayed in the front of the parameter name, the parameter content behind the sign":." will display normally and modifying the parameter content have been finished. If you want to modify others' parameter, please move the joystick upwards or downwards to adjust the cursor.

SET UP1	
DOME:	2D I
PROTOCOL:	PELCO-P
BAUD:	9600
INPUT:	000

Page over and Exit: Adjust the joystick upwards or downwards to move the cursor up to the first one or the last one of the current page, as the follow picture. It can be page up or page down while adjusting the joystick upwards or downwards. Press [PGM] to exit the setup. The keyboard back to the operation state, the LCD screen display operation interface, all the modified parameter in operation.

SET UP1	
>DOME:	2D
PROTOCOL:	PELCO-P
BAUD:	9600
INPUT:	000

(3) The parameter instruction of the Keyboard set up

SET UP1	
>DOME:	2D
PROTOCOL:	PELCO-P
BAUD:	9600
INPUT:	000

1. Joystick Mode: 2D(two dimension)/3D (Three dimension)
2. PROTOCL: PELCO-P, PELCO-D (Optional)
3. BAUD: 2400、4800、9600、19200(Optional)可选。

SET UP2	
>INITIAL SET:	ON
PASS WORD:	* * * *
S/N: WB20070101001	
INPUT:	000

4. INITIAL SET: All the parameter restore the factory default when the option is ON, whereas, the option is OFF.