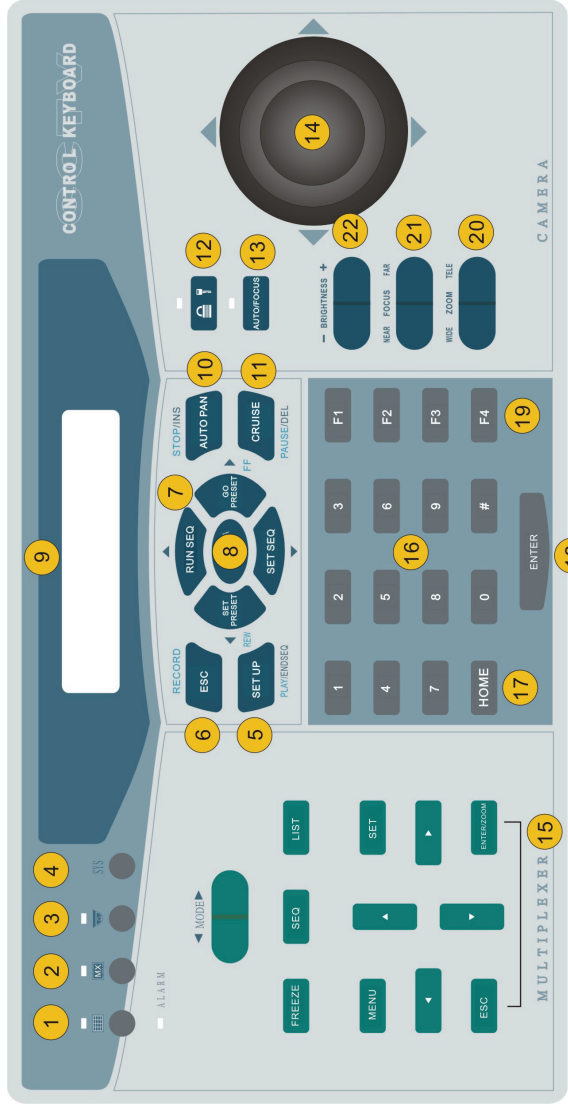


## Control Keyboard

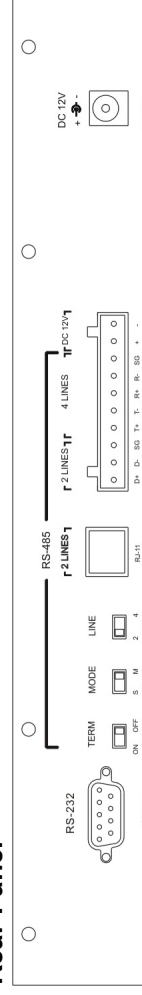
The control keyboard function keys and connectors are illustrated and described as below. For further details of keyboard installation and operation, please refer to the System Control Keyboard's user manual.

### Front Panel



1	Multiplexer/DVR Selection Key	2	Reserved
3	Camera/Dome Selection Key	4	CCTV System Setup Key
5	Camera Setup Key	6	ESC Key
7	Direction Keys and Function Keys	8	Camera OSD Key and Enter Key
9	LCD Panel	10	Auto-Pan Function Key
11	Cruise Function Key	12	Keyboard Lock Up Key
13	Auto-Focus Function Key	14	Joystick
15	Multiplexer/DVR Control Keys	16	Number Keys
17	Home Function Key	18	Enter Key
19	F1~F4: Reserved	20	Zoom Wide/Tele Keys
21	Focus Near/Far Keys	22	Brightness Up/Down Keys

### Rear Panel



1	RS-232 D-SUB	2	Termination Switch
3	Mode Switch	4	Line Selection Switch
5	RJ-11 Jack	6	Terminal Blocks
7	Power Jack		

## Control Keyboard Setting

Follow the instruction to configure the keyboard system setups before using it to control dome cameras.

### RS-485 Setting

Refer to the rear panel figure to connect dome cameras to the control keyboard with the RS-485 cable and configure the RS-485 communication port setting.

## Control Keyboard System Setting

The keyboard will enter the 'CCTV System Setting Mode' when users press the <SYS> key and input a correct password (default password is 0000). Please use "▲" and "▼" keys to scroll these setup items. For detailed operation, please refer to the control keyboard's user manual.

No.	Setup Menu	Description
1.1	System Linking	Scan connected cameras on the RS-485 bus again.
1.2	Set Keyboard ID	Assign a new ID for this keyboard, Default ID is 240
1.3	System Monitor	Support 3 kinds of system monitor structure; select one to output the camera image to monitors.
1.4	RS232 Baudrate	Change the baud rate of various protocols. The default setting is a. Default.
1.5	Date Setting*	Set a new date into keyboard
1.6	Time Setting*	Set a new time into keyboard
1.7	Date Time Correcting*	Synchronize the local time to all devices
1.8	Alarm List	List the latest 10 alarm information from system bus.
1.9	Camera Type & Comm.	Assign proper protocol, type and baud rate to each camera (fixed/dome)
1.10	Key Press Beep	Turn on/off the key beep
1.11	Alarm Reaction	Turn on/off the response action of the keyboard when it receives an alarm message from other devices
1.12	Password	Change the password of the keyboard

\* The items are only available for the 3-axis control keyboard.

## Dome Control

Users are allowed to control the dome camera when the keyboard is under the Camera Control mode. To enter the Camera Control mode, press the camera/dome selection key. Please follow the instructions below to operate the dome camera.

### To Pan/Tilt/Zoom the Dome Camera

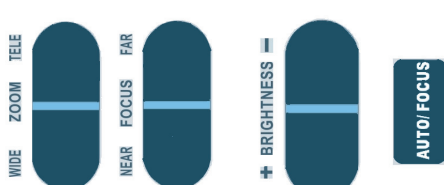
Push the joystick up/down/left/right directly to pan or tilt the dome; rotate the joystick to zoom in/out the camera lens.



## Lens Control Keys

Users can adjust the camera lens through lens control keys under the Camera Control mode.

- Zoom Function**  
Press the <Tele> key to zoom in the lens. Press the <Wide> key to zoom out the lens.
- Focus Function**  
Press the <Focus Near> key to move focus lens near. Press the <Focus Far> key to move focus lens far.
- Brightness Adjusting**  
Press the <Brightness +> key to increase video brightness. Press the <Brightness -> key to decrease video brightness.
- Auto-Focus Function**  
Press the <Auto Focus> key to enable the Auto-Focus function.



## Preset Function

- Configuring Preset**  
Press a number key to define a preset position, e.g. <2> and then press <SET PRESET> to record this position as preset position 2.
- Calling preset position**  
Press a number key to call a pre-defined position, e.g. <2> and then press <GO PRESET> to go to the preset position 2.



## Sequence Function

- **Configuring Sequence**
  - 1) Press a number key to set a sequence line, e.g. <1> and then press <SET SEQ.> to modify parameters of Sequence 1.
  - 2) XXX indicates Serial Points of a sequence line (001~032)  
 PST indicates Preset Positions (1~128).  
 SPD indicates Speed (1~15).  
 DWELL indicates Dwell Time (1~127 seconds).
 
 Edit the parameters, for example, press <4> <ENTER> for PST, <1> <5> <ENTER> for SPD and <5> <ENTER> for DWELL. It means that the first point for sequence 1 is preset position 4, the dome camera will stay 5 seconds at that position and go to next point at speed 15. Follow the above steps to set other sequence lines; press <SETUP> to end setting when finished.
  - 3) Users are allowed to use ▲ ▼ keys to scroll up or down the all pages. Users can also use ◀ ▶ keys to move the cursor.

- **Executing Sequence**

Press a number key to specify a sequence line that you are about to execute and then press <RUN SEQ.> to run the line.

Users can insert or delete a point from a sequence line easily. Press the <INS> key to insert a preset position into the sequence line. Press <DEL> key to delete the current preset position from this sequence line.

Users can press <ESC> or <ENDSEQ> key to exit the sequence mode after sequence line building is finished. The differences between these two keys are: <ENDSEQ> will remove all serial points behind the current point of a sequence line; <ESC> will keep all serial points of a sequence line. For further details, please refer to the control keyboard's user manual.

## Auto-Pan Function

- **Configuring Auto-Pan**
  - 1) Press <Auto Pan> to enter the Auto-Pan mode. The LCD on the keyboard will display "1. RUN 2. SETTING". Press <2> to configure Auto-Pan parameters.
  - 2) Move the dome camera to a specific position and press <ENTER> to save it as the start position; pan the dome camera to another position and press <ENTER> to save it as the end position.
  - 3) Select the scan direction and Auto-Pan speed using direction keys; then press <ENTER> to confirm the selection.
- **Executing Auto-Pan**

Press <Auto Pan> to enter the Auto-Pan mode and press <1> to execute the Auto-Pan path.

## Cruise Function

- **Configuring Cruise**
  - 1) Press <CRUISE> to enter the Cruise mode. Then the LCD will display "1. RUN 2. SETTING". Press <2> to set the cruise path.
  - 2) When the LCD displays "ENTER for START POS", press <ENTER> and move the dome camera to form a cruise path; press <ENTER> to stop cruise recording.
  - 3) When the LCD display "ENTER for SAVING", press <ENTER> to save this cruise path.
- **Executing Cruise**

Press <CRUISE> and then <1> to start cruising.

## Entering Camera OSD Setup Menu

If the selected camera has OSD function, press the <CAMERA MENU> key and hold on for 3 seconds to enter the OSD menu. Users can move the OSD cursor through direction keys on the keyboard.

## DVR Control

Users are also allowed to control the DVR when the keyboard is under the DVR Control Mode. To enter the DVR Control Mode, press the Multiplexer/DVR mode . Please follow the instructions below to operate the DVR.

### Mode Function

Press repeatedly to select a main monitor display format; there are three view modes available: full screen, 4-window (2x2) and 16-window (4x4).



### Freeze Function

Press <FREEZE> while viewing live video, the live recording will be paused; press the key again to return to live mode. In addition, if press the key during playback, the playing will be paused; press the same key again to continue playing video.



SEQ



LIST



### Menu

Press the key to call the OSD setup main menu. Press <Menu>, and the OSD will display the requirement for password verification. Then you should press channel keys to enter password (4-8 digits), e.g. if your DVR password is 1234, please enter 01, 02, 03, 04 (shown as XXXX). Afterwards, the main menu page will display on the OSD.



### Direction Keys

Users can move the OSD cursor for menu item selection by using the direction keys (left side of the keyboard). Under some menu items, the right and left keys may be used for value setting.



### ESC

Press the key to cancel or exit from certain OSD menu without saving any changes.

### Enter/Zoom

Press the key to make the selection of menu item or save OSD setting.

### Set

The key allows users to toggle the dome control Hint Screen and set preset points through a DVR.

### Playback

The key <SET UP> (PLAY/ENDSEQ) represents Stop/Play function under the DVR control mode. Press it to switch between live image and playback video.

### Call Function

Under the DVR control mode, the key <F1> functions as the DVR's Call key. In Live mode, press the key would enter call monitor control mode. In Playback mode, press it to quick export video to the external device.



### Fast Forward and Rewind

Under the DVR control mode, the keys <GO PRESET> (FF) and <SET PRESET> (REW) also represent fast forward and rewind of playback video. When viewing playback video, press the right key for fast forward and left key for rewind.

