This quick operation guide is a reference for users to operate dome cameras quickly, and therefore only provides basic information on control keyboard and dome function. Before attempting to connect, configure and operate the integrated high speed dome, please read the installation guide and control keyboard user's manual completely.

System Configuration
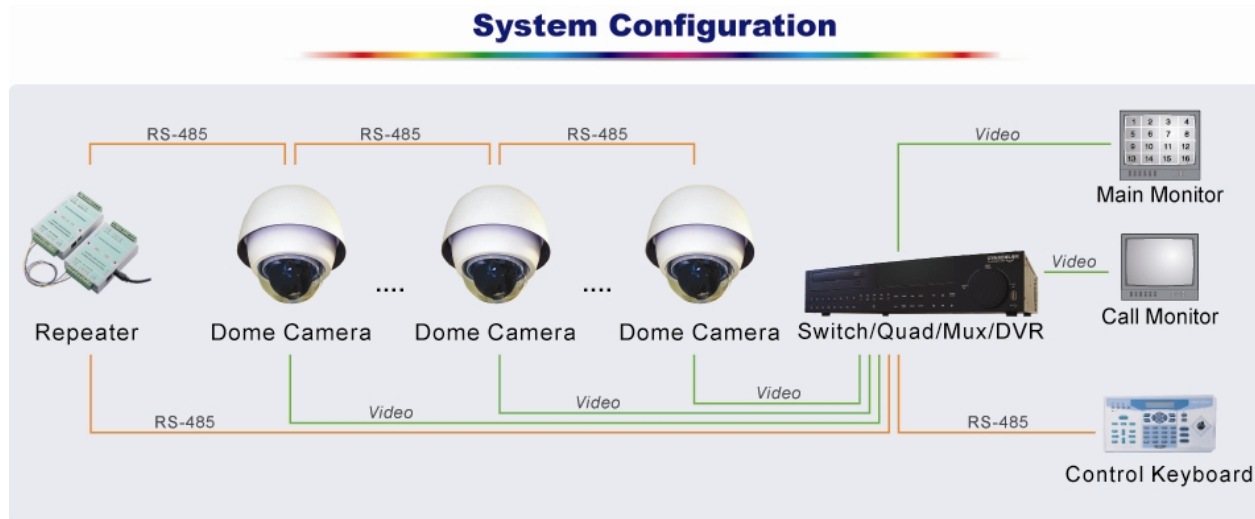
Dome Switch Definition
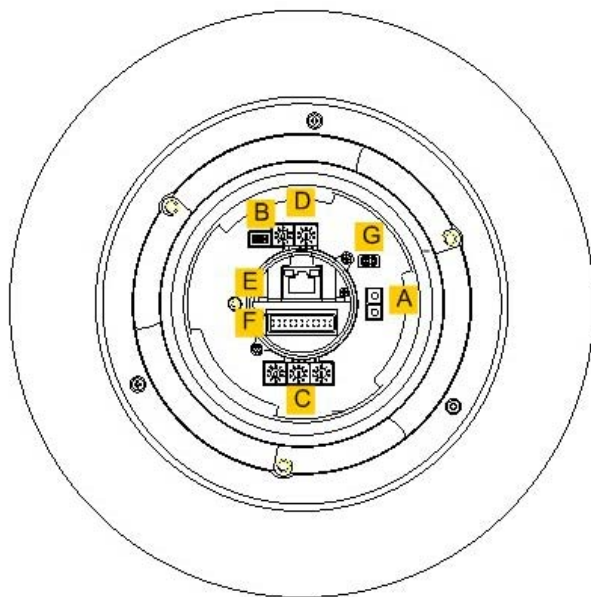
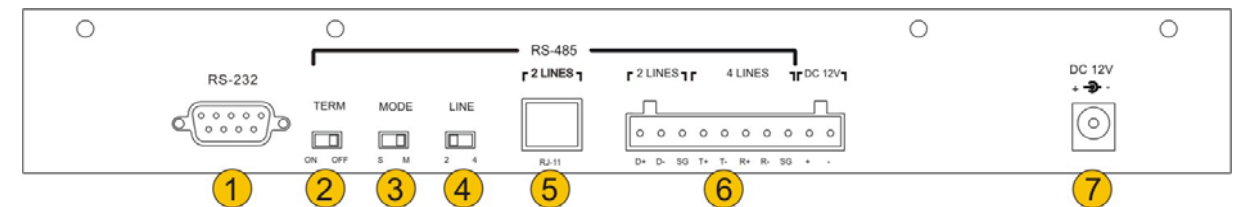| SW.	Definition	Remarks
A	Reserved	
B	RS-485 Setting	Refer to User's Manual
C	Dome ID Setting	Refer to User's Manual
D	Dome Control Protocol	Refer to User's Manual
E	RJ-45 Connector	For Ethernet IP function Only
F	22-Pin Connector	Connect the equipped cable
G	ISP Connector	For FW upgrade

D7313 Control Keyboard

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

Front Panel
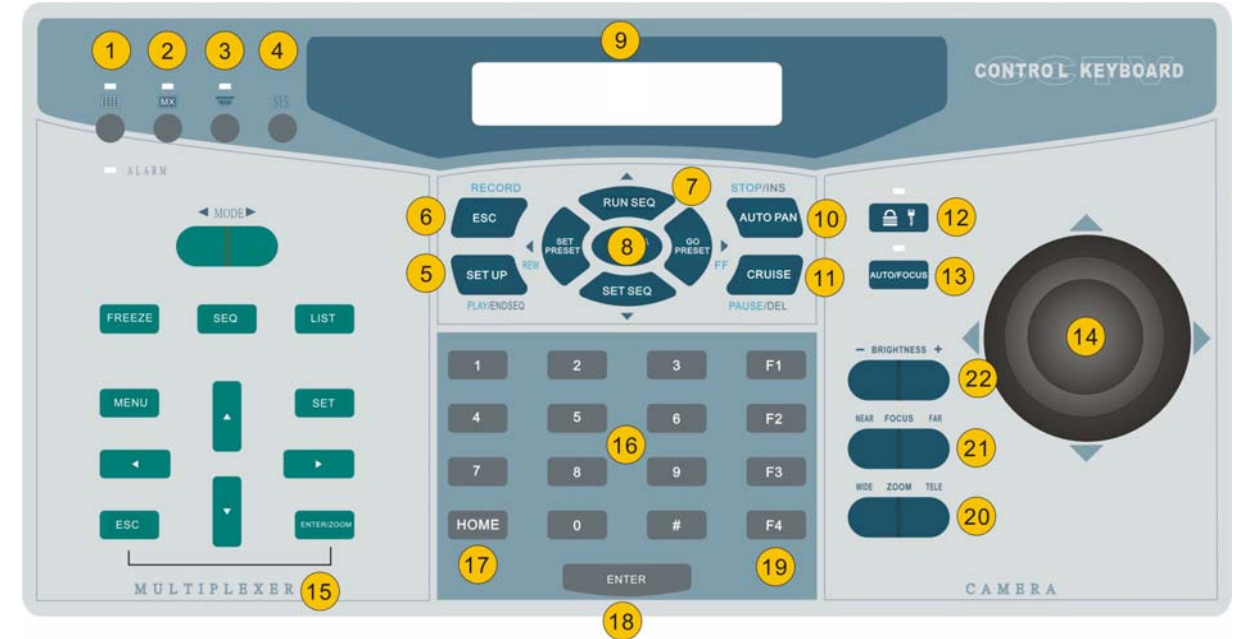
No.	Description	No.	Description
1	Multiplexer/DVR Selection Key	2	Matrix Selection Key (Reserved)
3	Camera/Dome Selection Key	4	CCTV System Setup Key
5	Camera Setup Key	6	ESC Key
7	Direction Keys and Function Keys	8	Camera OSD Key and Enter Key
9	LCD Panel	10	Auto-Pan Function Key
11	Cruise Function Key	12	Keyboard Lock Up Key
13	Auto-Focus Function Key	14	Joystick
15	Multiplexer, DVR or Matrix Control Keys	16	Number Keys
17	Home Function Key	18	Enter Key
19	F1: Remote Reset Function F2: Lock/Unlock Device F3: Reserved F4: Dome Speed Test	20	Zoom Wide/Tele Keys
		21	Focus Near/Far Keys
		22	Brightness Up/Down Keys

Rear Panel

No.	Description	No.	Description
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		

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 start to modify parameters of sequence 1.
     PST indicates Preset Point (1~128).
     SPD indicates Speed (1~15).
     DWELL indicates Dwell time (1~127 seconds).

  2) Edit the parameters, for example, press <4> <ENTER> for PST, <1> <5> <ENTER> for SPD and <5> <ENTER> for DWELL. That means that the first preset point for sequence 1 is preset point 4, dome camera will staying 5 seconds at that position and go to next preset with speed 15. Follow the above steps to set other sequence line; press <SETUP> to end the setting when finished.

  3) User is allowed to use ▲ ▼ keys to scroll up or down the all pages. User can also use ◄ ► keys to move the cursor.

- **Executing Sequence**

  Press a number key to specify a sequence line that you want to execution and then press <RUN SEQ.> to start sequence.

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

User can press <ESC> or <ENDSEQ> key to exit sequence mode after sequence line editing is finished. The difference between these two keys is: <ENDSEQ> will remove all preset positions behind current preset position; <ESC> will keep all preset positions.

xxx. PST	SPD	DWELL
[004]	[15]	[005]
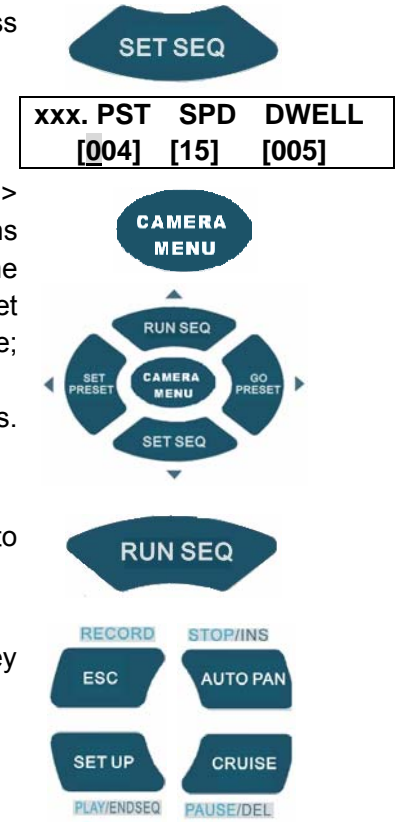
Auto-Pan Function

- **Configuring Auto-Pan**

  1) Press <Auto Pan> to enter Auto-Pan mode. The LCD on keyboard will display "1. RUN   2. SETTING". Press <2> to start configuring Auto-Pan parameters.

  2) Move dome camera to a specific position and press <ENTER> to save it as the start position of scan region; pan the dome camera to another position and press <ENTER> to save it as the end position of scan region.

  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 Auto-Pan mode and press <1> to execute Auto-Pan function.

Cruise Function

- **Configuring Cruise**

  1) Press <CRUISE> key on keyboard to enter Cruise mode. LCD is displaying "1. RUN   2. SETTING" now. Press <2> to set the cruise path.

  2) LCD is displaying "ENTER for START POS" now. Press <ENTER> and move dome camera to form a cruise path; press <ENTER> to stop cruise recording procedure.

  3) LCD is displaying "ENTER for SAVING" now. Press <ENTER> to save this cruise path.

- **Executing Cruise**

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

Entering Camera OSD Setup Menu

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

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

RS-485 Setting

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

Control Keyboard System Setting

Keyboard will enter 'CCTV System Setting Mode' when user presses the <SYS> key and enter a correct password (default password is 0000). Please use "▲" and "▼" keys to scroll these setup items. For detailed description, please refer to DynaColor Control keyboard user's manual.

No.	Setup Menu	Description
1.1	System Linking	Scan connected cameras on the RS485 bus again.
1.2	Set Keyboard ID	Assign a new ID for this keyboard, Default ID is 000
1.3	System Monitor	There are 4 sources, select one to output the camera image to the main monitor.
1.4	RS 232 Baud Rate	Change the baud rate of RS232 interface. The default setting is 9600bps.
1.5	Date Setting	Set a new date into keyboard
1.6	Time Setting	Set a new time into keyboard
1.7	Date Time Correction	Synchronize the local time to all devices
1.8	Alarm List	List the latest 10 Alarm information came from system bus.
1.9	Camera Type & Class	Assign proper individual protocol for every camera and assign class to keyboard
1.10	Key Press Beep	Turn on/off the built in buzzer.
1.11	Alarm Reaction	Turn on/off the response action of keyboard when an alarm message is sent to keyboard from other devices
1.12	Password	Change the password of keyboard

The user is allowed to control the dome camera when the keyboard is under Camera Control Mode; to enter Camera Control Mode, press the camera/dome selection key. Please follow the instructions to operate the dome camera. The OSD displays as below when the keyboard is under Camera Control Mode.

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.

xxx P/T/Z/F/OSD Cam

Lens Control Keys

User can adjust the camera lens through lens control keys under 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 the video brightness. Press the <Brightness -> key to decrease the video brightness.

- **Auto-Focus Function**

  Press <Auto Focus> key to toggle the Auto-Focus function.

Preset Function

- **Configuring Preset**

  Press a number key for preset point, e.g. <2> and then press <SET PRESET> to record this position as preset point 2.

- **Calling preset position**

  Press a number key for preset point, e.g. <2> and then press <GO