

# Ai-C095

## 快速球型攝影機 鍵盤控制器 使用說明書









- **TELE**: 鏡頭拉近
- **FAR**: 手動焦距拉遠
- **NEAR**: 手動焦距拉近
- **OPEN**: 開啟光圈
- **CLOSE**: 關閉光圈
- **ON**: 功能設定開啟
- **OFF**: 功能設定關閉
- **F1**: 附屬控制按鍵
- **0-9**: 數字建
- **C**: 清除以輸入資料
- **ENTER**: 確認

## 2. Rear Panel (Figure 2)



(Figure 2)

- a). Power input connector (**DC12V**): DC12V power supply.
- b). Communication connector (**RS485**): RS485 signal output.
- c). Finger switch (**CODE SET**): Used to set the **protocol** in use and the **baud rate** of communications.
- d). Integration connector (**RJ45**): The port includes the output of RS485 and input of the power supply, the port is connected to adapter box by specific cable.
- e). PC connector (**PC/RS232**): Used to connect the PC RS232

port, implement control with the PC together.

### III. Keyboard setting:

a). The protocol in use and the baud rate of communication of the keyboard are set by the **CODE SET** in Figure 2. DIP1-DIP4 are used to select type of the communication protocol as per following table:

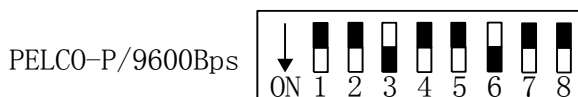
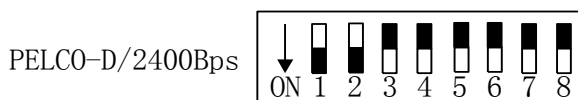
Switch Position Protocol type	Switch of the protocol				Baud rate	
	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6
<b>PELCO-D</b>	ON	ON	OFF	OFF	OFF	OFF
<b>PELCO-P/4800B ps</b>	OFF	OFF	ON	OFF	ON	OFF
<b>PELCO-P/9600B ps</b>					OFF	ON
<b>PANASONIC</b>	ON	OFF	ON	OFF	OFF	ON
<b>HUNDA600</b>	ON	ON	ON	OFF	OFF	ON
<b>LILIN</b>	OFF	OFF	OFF	ON	OFF	ON
<b>KALATEL</b>	ON	ON	OFF	ON	ON	OFF
<b>ACUMEN</b>	OFF	ON	ON	ON	OFF	ON
<b>Ultrak</b>	ON	ON	ON	ON	OFF	ON

b). DIP5 and DIP6 are used to select the baud rate, shown as following table (DIP7 and DIP8 are not used) :

switch Baud rate	DIP1	DIP2	DIP3	DIP4	DIP5	DIP6
2400bps					OFF	OFF
4800bps					ON	OFF

9600bps					OFF	ON
19200bps					ON	ON

c). Example: Some of the **CODE SET** of the protocols are set as follows:



#### IV. Operation of the Keyboard

1. Select Address of Speed Dome Camera /Decoder:

**[CAM]+[N]+[Enter]** (N — No. of camera from 0 to 255)



Function: Select the address of the camera to be controlled.  
When the value N is in conformity with the address of the speed dome, it will be under control.

2. To set preset position: **[PRESET]+[N]+[ Enter]**

(N — No. of preset position from 1 to 128)



Function: Store current position and refer it as No. N position.

3. Call the Preset position: **[CALL]+[N]+[ Enter]**

(N — No. of preset position from 1 to 128)



Function: Transfer the camera to the position of No. N preset position.

4. Cancel the Preset position:[**PRESET**]+[**N**]+[**OFF**]

(N — No. of preset position from 1 to 128)



Function: Delete the No. N Preset position stored.

5. Set the cruise track (PELCO-P/D ALEC Ultrak Available)

- Enter the status of track setting: [**SHOT**]+[**N**]+ [**ON**]

(N: No. of track from 1 to 6)



Description: Track No1 is currently set, in which there are 5 preset points.

- Edit Track: Press [**TELE**] to edit afterward and press [**WIDE**] to edit return. Each track involves 16 preset points and the running speed and the dwelling time of each preset position.





Description: The 1st preset position in the track is 01.



Description: The speed of the 1st preset point in the track is the 4th class.



Description: The dwelling time of the 1st preset point in the track is 1 seconds

- Speed Range: 1 to 8 from the fastest to the lowest. Any speed outside the range will be referred as the 1st class; the range of the dwelling time is: 1 to 99.
  - When the No. N preset point is set as No. 0, then all preset points before the No. N preset point in the track will be valid however all numbers of preset points afterward and their speed and dwelling time shall be set as 0 automatically.
  - After tracks are edited, press OFF to store and exit while push the joystick to exit without storage.
6. Tour the Track: **[SHOT]+[N]+ [Enter]**  
 (N — No. of the track from 1 to 6)



Function: Tour the No. N track and stop tour by pushing the joystick.

7. Stop the Track: **[SHOT]+[N]+ [OFF]**  
 (N — No. of the track from 1 to 6)  
 Function: Stop the No. N track or stop tour by pushing the joystick.
8. Clear Cruise Track: **[SHOT]+[N]+ [OFF] (Pressing [OFF] down for 2 seconds until “ Clear Tour OK ” appears)** (N — No. of the track from 1 to 6), suitable for PELCO-P, PELCO-D, ALEC etc.
9. Auto Pan Setting:
- Set the dome to scan start position: press **[AUTO]+[ON] to save the scan starting position.**
  - Set the dome to scan end position: press **[AUTO]+[OFF] to save the end position.**
  - Run Auto Pan: **[AUTO]+[ENTER]**
10. Stop Auto Pan: push the joystick to stop scan
11. Control the zoom of the Camera: **[WIDE]/[TELE]**
12. Control the Focus of the Camera: **[FAR]/[NEAR]**
13. Control the Iris of the Camera: **[OPEN]/[CLOSE]**
14. **Function Control of the Camera and its parameter:**

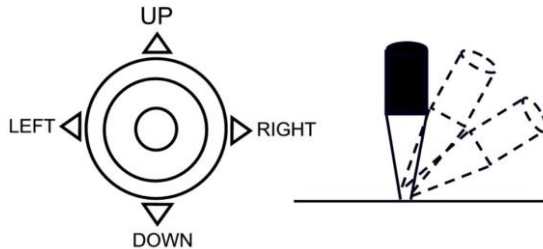
No.	Control Object	Definition of Keyboard Operation	
		CALL + No.	PRESET + No.
51	Pan-tilt Compensation Control	Enable line-scanning (low-speed)	Enable scanning

<b>52</b>		Enable line-scanning (medium-speed)	Set starting point of scanning
<b>53</b>		Enable line-scanning (high-speed)	Set ending point of scanning
<b>54</b>	Video Camera Power Control	Power On	Power Off
<b>55</b>	Background Light Compensation *	On	Off
<b>56</b>	Zero Illumination	On	Off

- For different camera, control functions in the list could be different.

<b>57</b>	Screen Display *	On	Off
<b>58</b>	Digital Zoom *	On	Off
<b>59</b>	Focus	Auto	Manual
<b>60</b>	Iris	Auto	Manual
<b>61</b>	White Balance Mode *	Auto	Manual
<b>62</b>		Indoor	Outdoor
<b>63</b>		ATW	One Push WB
<b>100</b>	Home position	ON	OFF
<b>95</b>	Dwell time setting for the Home position function	1 minute	
<b>96</b>		2 minutes	
<b>97</b>		4 minutes	
<b>98</b>		8 minutes	
<b>99</b>		10 minutes	

- Item with symbol “\*” has memory function after Dome device powers off (refer to Functions of the Video Camera)
  - For the camera with the menu, switch ON/OFF the menu by “**CALL** + **57**”, and switch ON/OFF the OSD by “**PRESET** + **57**”. In case the camera has the menu and the menu is ON:
    1. Select the item on the menu by buttons **[WIDE]** and **[TELE]** to scroll the cursor up or down;
    2. Change the status of the selected item on the menu by buttons **[FAR]/[NEAR]**;
    3. Switch OFF the menu as per operations in the list after the menu is set.
  - Please refer to the Dome manual for special case operation.
15. Use the Joystick to Control the Speed Dome Camera:  
 You can use the speed joystick to control the Pan/Tilt direction and speed of the dome of the camera randomly. The speed of pan/tilt is decided by the angle of the joystick you operate at (Figure 3). Change the tilting angle of the joystick you can adjust the speed evenly and the camera can be focused automatically in the course of scan to keep images being distinct.



(Figure 3)

16. In case error operation occurs, normal display will be recovered after “**Error Operation**” shows for 1 second.

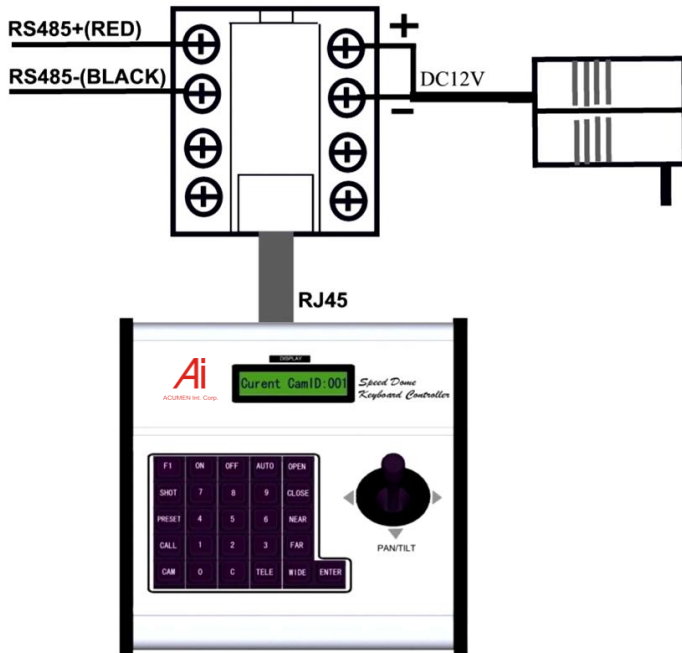
## V. Installation and Connection:

Attention: Please read the operation manual of the keyboard and the speed dome carefully before connecting wires. Any incorrect

connections can cause permanent damage of the device. When connecting wires, first switch off the power supply of all devices. The communication wires between devices should be shielded twisted cable. When installing cables they should be far away from high voltage lines or other possible interference circuits as much as possible.

### 1. Integrative connection:(Figure 4)

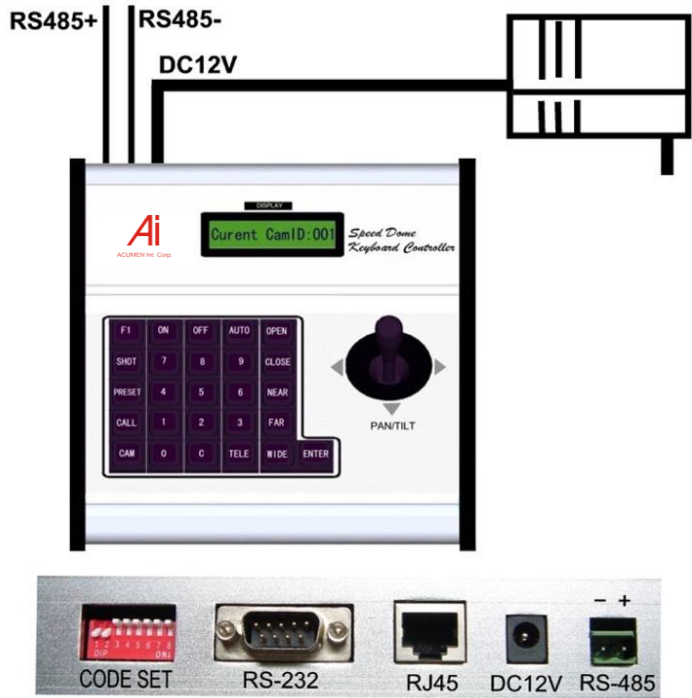
Refers to the control output of the keyboard RS485 and the power input go through the interface box first then the single RJ45 cable is connected to the keyboard RJ45 port.



(Figure 4)

### 2. Normal connection:(Figure 5)

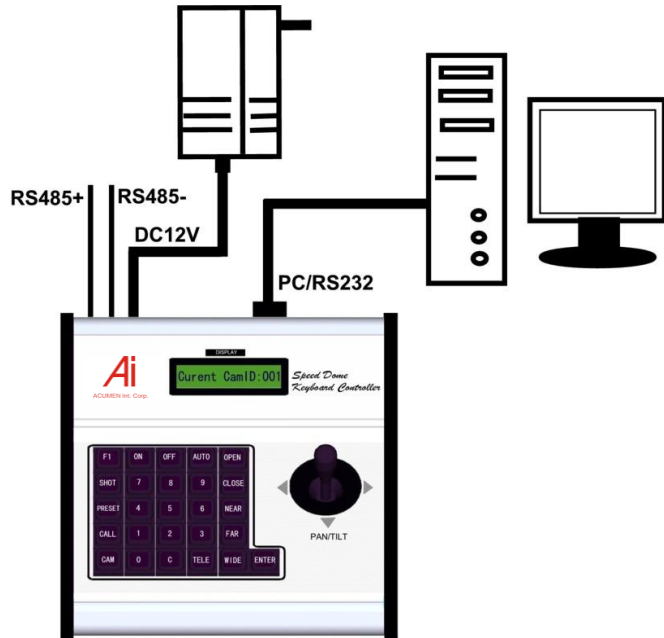
Refers to the RS485 control output and power output are directly connected to the keyboard relative ports.



(Figure 5)

### 3. Connect to PC/RS232: (Figure 6)

Refers to the keyboard and computer can be connected together to control the dome camera.



(Figure 6)

#### VI. Technical Specifications:

- Communication between Speed Dome Camera and the Controller: Port to multi-port and half duplex function.
- Communication mode: RS-485.
- Baud Rate of Communication: Four baud rates i.e. 2400Bps, 4800Bps, 9600Bps and 19200Bps.
- Distance of Communication: 1200 M in maximum
- Power Supply: DC12V/800 mA (DC9V/100mA)
- Number of Controlled Speed Dome Camera up to 32.
- Size: 95mm(H) × 205mm(L) × 205mm(W)
- Weight: 1.2 Kg