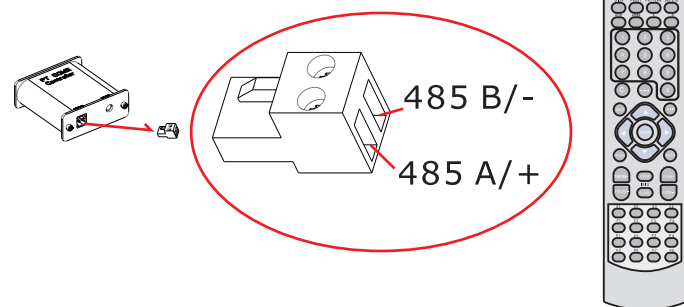


1 Installation



Connect 485 port to PTZ dome 485 cable,
Connect DC12V to power port.
After power on, controller will display **A001**
or **P001**
A means address of command, 001 is
address number.
P means preset point, 001 is preset number.

2 How to control PTZ

When you press **CAM** button, Screen display like **A001**, First **A** means address, Another 3 digital **001** means address number is 1, You can press number key input digital after **A**, if number big than 9, you need press **-/--** to input number more than 9. Press button **C** can delete last input number, When you set address 1 is Pelco-D protocol, this is Pelco-D ID address, means Pelco-D ID address is 1, When you set address 1 is Pelco-P protocol, this number plus 1 is Pelco-P ID address, means Pelco-P ID address is 2 (Some unit use protocol address, some use ID address)

When you press **SHUT** button, Screen display like **P002**, First **P** means preset point, Another 3 digital **002** means address number is 2, You can input preset number like address number. After you input preset number, Camera will got this preset point you selected.

When you press **SPEED** button, Screen display like **S-63**, First **S** means speed number, Another 2 digital **63** means speed number is setup to 63, You can input preset number like address number. Speed number is pan tilt speed, From 1 to 63, 63 is fast speed.

When you press **HOME** button, Screen display **HOME**, means home point of preset, you can use **PRESET**, **DELELT** set or clean this point.

When you press **A** or **B** button, Screen display **LE-A** or **LE-B**, means limited-A or limited-B point of preset, It will use as left or right limited at auto mode. You can use **PRESET**, **DELELT** set or clean this point.

When you press **PRESET** button for 3 second, Screen display **SELE-**, means in preset mode,

If you want set a preset number, you need press **PRESET** button 3 seconds, and controller will display **SET-**, At this time you can input a number (also at this time, you can press **HOME A B** key set point home and limited left right point), If you need input a number more than 10, you need press button **-/--** at first. After input number, need press **ENTER** key confirm it. When you press **SETUP** key at this mode, Will send setup command to camera, Set camera address and protocol same as PTZ Controller at this time. Press **DISP** key at this time will setup alarm host address (only for alarm model)

When you press **DELETE** button for 3 second, Screen display **CL--**, means in preset clean mode, If you want clean a preset number, you need press **DELETE** button 3 seconds, and controller will display **CLR-**, At this time you can input a number (also at this time, you can press **HOME A B** key clean point home and limited left right point), If you need input a number more than 10, you need press button **-/--** at first. After input number, need press **ENTER** key confirm it.

When you press **DISP** button, Screen display **U018**, means software version is version 18.

When you press **DISP** button again, Screen display **d=24**, means protocol setup at this address. First letter is protocol type, If display **d**, means Pelco-D, If display **P**, means Pelco-P, last two digital means baud rate, **12** means 1200bps, **24** means 2400bps, **48** means 4800bps, **96** means 9600bps.

Like if protocol setup to Pelco-P 9600bps, screen will display **P=96** at this time.

Press **DISP** button third times, Screen display **H128**, means alarm host address is 128, this is only for PTZ Controller (with alarm in and alarm out model).

When you press **SETUP** button, Screen display like **d=24** or **P=96**, PTZ Controller go to setup protocol mode, Press left right key modify protocol, when you press left or right key, you can see **d** or **P** change at screen. Press up down key can modify baud rate, you can see **12 / 24 / 48 / 96** change at screen. Press **ENTER** key can save this configuration and return to normal mode.

You can setup different protocol for different address, For example you can setup address 1 is Pelco-D 2400bps, address 2 can be Pelco-P 9600bps. When you at setup mode, you press **C** button, screen will black for 10 second, PTZ Controller will clean all protocol setup and setup all address to Pelco-D 2400bps.

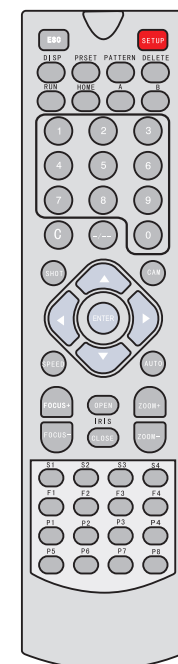
3 How to start pattern tour tracking cruise

When you press **PATTERN** button first time, Screen display **PSE-A**, means goto pattern track setup mode, At this mode, Input what preset point you want go, you can input 16 point at here, For example: If you want camera run like preset 6, preset 2, preset 3, preset 8, You can go to preset 6, preset 2, preset 3, preset 8, camera will record this point to track. At this time, you can set speed from one point to next point, and stay time from one point to next point. In default number, speed from one point to next point is fast speed 63, stay time from one point to next point is 8 second (include move time from one point to next point). Press **PATTERN** second time, screen display **PSE0**, End set tour track mode.

How to start pattern tour track cruise:

- (1) Press **RUN** button, Screen display **P-RUN**, Start PATTERN cruise, Press **RUN** again stop it. If you not stop pattern cruise, it will continue cruise after another power on and never stop.
- (2) PRESET point 247 command can start run PATTERN, Enable Auto Start PATTERN cruise
- (3) Send Pelco RUN command one time start auto tour, Send RUN command again stop it, If you start auto track cruise, power down and power on can not change it. you can use 4 ways stop it.
- (1) Press **RUN** button at cruise mode, Screen display **P-RUN**, Stop PATTERN cruise, If you not stop pattern cruise, it will continue cruise never stop.
- (2) PRESET point 248 command can stop run PATTERN, Disable Auto Start PATTERN cruise.
- (3) Send Pelco RUN command stop it at cruise mode.
- (4) Use PRESET point 240 command can set all configuration to default, On default data, Auto Start PATTERN cruise mode is disable.

4 Function list



Default protocol:
Protocol: Pelco-D
Bitrate: 2400bps

UP DOWN LEFT RIGHT button is controls the movement of pan and tilt cameras

ENTER button is a stop key at movement, And it also is a confirm key when input a number
Numeric key 0 - 9 is number input button
C button is a backspace for number input
-/-- is a button for change plus10 mode and normal mode, in normal mode only can input number 0 - 9, in plus10 mode can input number 0 - 255

At any mode, if you press **ESC** button, system will go to address input mode.

Press **CAM** button go to address input mode, Press **SHOT** button go to preset selecting mode. It is a command of selecting preset of your target camera, **HOME A B** and **P1 - P8** is shortcut key for preset point

PRESET is set preset point
DELELT is clear preset point
This two key need press more than 3 seconds to active it.

AUTO is go to auto cruise mode, Another auto mode is go to preset point 99

SPEED is set speed of movement
S1 - S4 is shortcut key for speed
S1 = 8, S2 = 40, S3 = 51, S4 = 63

FOCUS + focus far, **FOCUS -** focus near
OPEN Iris open, **CLOSE** Iris close

ZOOM + zoom wide, **ZOOM -** zoom tele

PATTERN start / stop learn pattern,
RUN a pattern, **DISP** display software version, **F1 - F4** user define shortcut key, Press **SHOT** go to preset point 240, Screen display **0---**, this time press 1 - 4, if you press 1 means setup **F1**. After this screen will display **1---** to **4---**, this time press number 0 to 255, means command data of protocol, After finish this, you press F1 to F4, PTZ Controller will send this command you set.

SETUP set protocol and baud rate
Press **SETUP** key for 3 second,
Press **UP DOWN** key select protocol,
Press **LEFT RIGHT** key select baud rate.

F1 - F4 user define shortcut key, Press **SHOT** go to preset point 240, Screen display **0---**, this time press 1 - 4, if you press 1 means setup **F1**. After this screen will display **1---** to **4---**, this time press number 0 to 255, means command data of protocol, After finish this, you press F1 to F4, PTZ Controller will send this command you set. **SETUP** set protocol and baud rate Press **SETUP** key for 3 second, Press **UP DOWN** key select protocol, Press **LEFT RIGHT** key select baud rate.