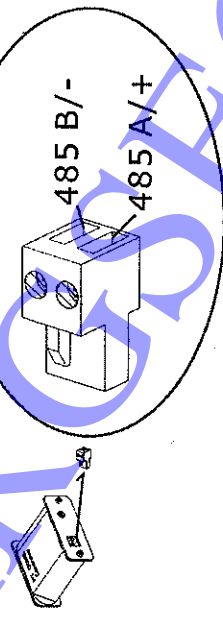


1 Installation

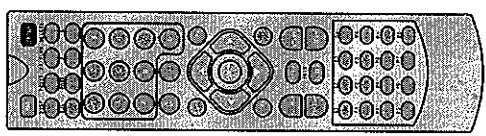


Connect 485 port to PTZ dome camera,
 Connect DC12V to power port.
 After power on, controller will display A001
 or P001
 A means address of command, 001 is
 address number.
 P means preset point, 001 is preset number.

A001

P001

Protocol : Pelco-D
 Bitrate: 2400bps



2 Set target camera address

Press CAM button go to address command mode.
 It is a command of selecting your target camera,

At this mode, you can input a number by press
 keyboard numeric key,

A001

If you want input a number more than 10,
 you need press +/- button change to plus 10
 mode. You can input 3 number at this mode.
 After enter you need input ENTER button
 confirm it. Press C button do backspace.

A-10

A-26

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

If you only want change address number below
 10, you only need press numeric key one time.

3 Preset Point

Press SHOT button go to preset selecting mode.
 It is a command of selecting preset of your
 target camera,

At this mode, you can input a number by press
 keyboard numeric key, this is preset number

P001

If you want input a number more than 10,
 you need press +/- button change to plus 10
 mode. You can input 3 number at this mode.
 After enter you need input ENTER button
 confirm it. Press C button do backspace.

P-10

P-32

If you want set a preset number, you need
 press PRSET button 3 seconds, and controller
 will display SET-, at this time you can input a
 number, if you need input a number more
 than 10, you need press +/- button at first.
 After input number, need press ENTER key
 confirm it.

SET-

P---

If you want clear a preset number, you need
 press DELETE button 3 seconds, and controller
 will display CLR-. You can input number same
 as set preset.

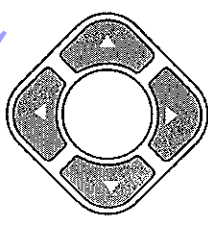
CLR-

P-12

You can use same way set / clear / go to HOME
 and A(left limited point) B(right limited point)

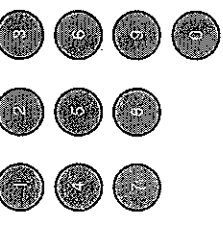
4 Function List

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

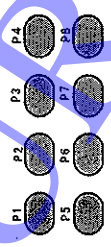
C button is a backspace for number input

-/-- 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

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

CAM
Press CAM button go to address input mode

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

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

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



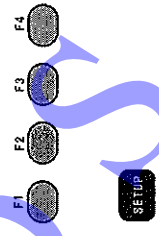
FOCUS
FOCUS + focus far
FOCUS - focus near

OPEN
OPEN Iris open
CLOSE
CLOSE Iris close

ZOOM
ZOOM + zoom wide
ZOOM - zoom tele

PATTERN
PATTERN start / stop learn pattern
RUN
RUN a pattern

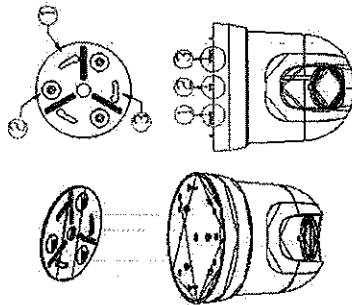
DISP
DISP display software version
F1 - F4 user define shortcut key



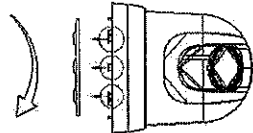
1 Installation



Step 1.
Install bracket on ceiling

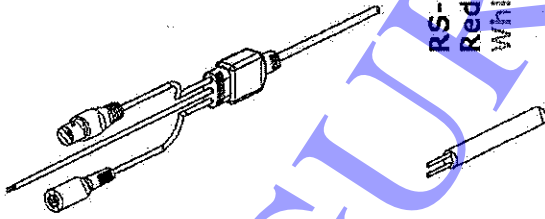


Step 2.
Install camera to bracket



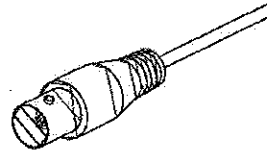
Step 3.
Rotate camera clockwise until hear a click sound

2 Connect Interface

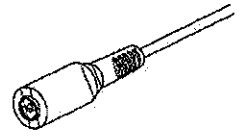


PTD cable include power, RS-485, video out.

RS-485 interface is two cable
Red or Green color is 485 A/+
White color is 485 B/-

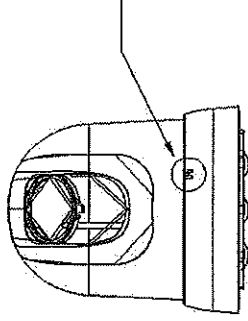


Video out interface

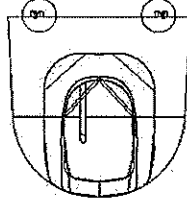


Power interface,
PTD need connect +12V DC
Inside is anode,
Outside is cathode.

3 Setup Address

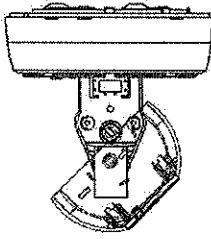


PTD not use screw
When you open cover
of case, you only need
pull out cover from
base.



Pull

Cover



Base



After open cover, you can find a DIP switch, you can configuration address, protocol and baud rate by this DIP switch.

DIP 1 - 7 is address,

If address is 1, DIP 1 is ON, another 2-7 is OFF

DIP 8 is baud rate, ON is 9600bps

OFF is 2400bps

DIP 9 is protocol, ON is Pelco-P,

OFF is Pelco-D

DIP 0 is 485 terminal resistance.

ON is connect 120ohm resistance.



4 Function List

PTD use preset command to achieve some extended function.
You can use CLEAR / SET / GOTO preset number to do some extended function

Clear Preset Point Number Command:

Preset Number	Function
---------------	----------

1 -- 32 (0x20)	Clear Preset Point
----------------	--------------------

62(0x3E)	Clear Left Limited Point
63(0x3F)	Clear Right Limited Point

64(0x40)	Set Aux1 OFF
65(0x41)	Set Aux2 OFF
66(0x42)	Set Aux3 OFF
67(0x43)	Set Aux4 OFF
68(0x44)	Set Aux5 OFF
69(0x45)	Set Aux6 OFF
70(0x46)	Set Aux7 OFF
71(0x47)	Set Aux8 OFF

76(0x4C)	Clear Home Point
----------	------------------

92(0x5C)	Clear Left Limited Point
93(0x5D)	Clear Right Limited Point;

Set Preset Point Number Command:

Preset Number	Function
---------------	----------

1 -- 32 (0x20)	Set Preset Point
----------------	------------------

62(0x3E)	Set Left Limited Point
63(0x3F)	Set Right Limited Point

64(0x40)	Set Aux1 ON
65(0x41)	Set Aux2 ON
66(0x42)	Set Aux3 ON
67(0x43)	Set Aux4 ON
68(0x44)	Set Aux5 ON
69(0x45)	Set Aux6 ON
70(0x46)	Set Aux7 ON
71(0x47)	Set Aux8 ON

72(0x48)	Add Auto Speed Number 10
73(0x49)	Dec Auto Speed Number 10
74(0x4A)	Add Auto Speed Number 1
75(0x4B)	Dec Auto Speed Number 1

76(0x4C)	Set Home Point
77(0x4D)	Set Home Point Wait Time to 1
78(0x4E)	Set Home Point Wait Time to 64
79(0x4F)	Set Home Point Wait Time to 128
80(0x50)	Set Home Point Wait Time to 255

81(0x51)	Enable Set Home Point
82(0x52)	Disable Set Home Point

92(0x5C)	Set Left Limited Point
93(0x5D)	Set Right Limited Point;
94(0x5E)	Reset Original Point

240(0xF0)	Init EEPROM to Default
241(0xF1)	Init System

Goto Preset Point Number Command:

Preset Number	Function
---------------	----------

1 -- 32 (0x20)	Goto Preset Point
----------------	-------------------

34(0x22)	Goto Pan Zero point
----------	---------------------

62(0x3E)	Goto Left Limited Point
63(0x3F)	Goto Right Limited Point

64(0x40)	Start Auto Scan at speed 0x08
65(0x41)	Start Auto Scan at speed 0x10
66(0x42)	Start Auto Scan at speed 0x18
67(0x43)	Start Auto Scan at speed 0x28
68(0x44)	Start Auto Scan at speed 0x30
69(0x45)	Start Auto Scan at speed 0x38

76(0x4C)	Goto Home Point
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92(0x5C)	Goto Left Limited Point
93(0x5D)	Goto Right Limited Point

99(0x63)	Start Auto Scan
----------	-----------------

126(0x7E)	Extend Command
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