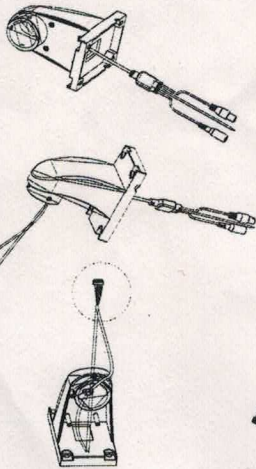
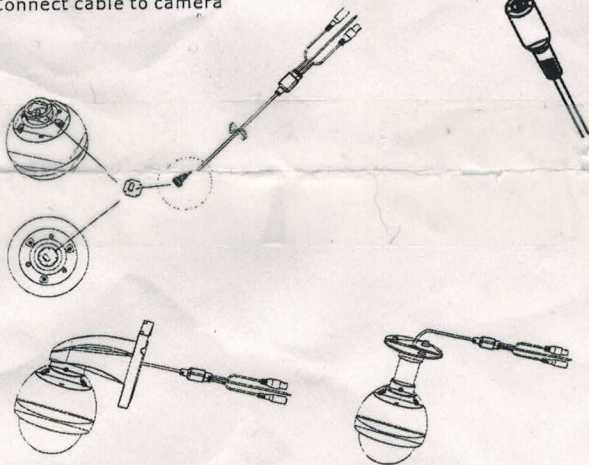


1 Installation

Step 1.
Install cable to bracket



Step 2.
Connect cable to camera



2 Connect Interface

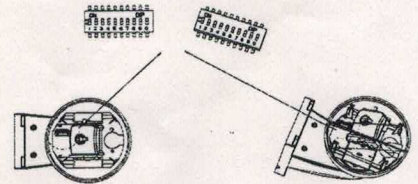
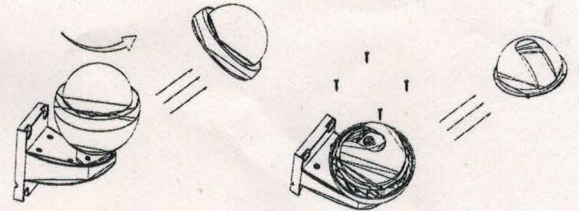
PTD-209 cable include power, RS-485, video out.

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

Video out interface

Power interface,
PTD-209 need connect +12V DC
Inside is anode,
Outside is cathode.

3 Setup Address



PTD-209 can support address 0 - 63
Baud rate 1200/2400/4800/9600
Protocol Pelco-P/D
Remove screw and open cover, you can find a PCB and DIP switch, setup DIP switch can config address/baud rate/protocol.



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



DIP 1 - 6 is address,
If address is 1, DIP 1 is ON, another 2-6 is OFF

DIP 7,8 is baud rate,

	DIP7	DIP8
9600bps	OFF	ON
4800bps	ON	ON
2400bps	OFF	OFF
1200bps	ON	OFF

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-209 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
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
76(0x4C)	Set Home Point
77(0x4D)	Set Home Point Wait Time to 32
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
76(0x4C)	Goto Home Point
92(0x5C)	Goto Left Limited Point
93(0x5D)	Goto Right Limited Point
99(0x63)	Start Auto Scan
126(0x7E)	Extend Command

Pattern function:

Send Set Pattern Start command(00 1F 00 00)
start pattern learning, When camera at this mode,
You can send GOTO preset point command, camera
will auto record this point as pattern point.
Send Set Pattern Stop command (00 21 00 00)
stop pattern learning,
Send Run Pattern command(00 23 00 00) start/stop
pattern running.