Thank you for using our Pan scanner. In order to make better use of this product, please read this manual carefully

1. Overview

Indoor, outdoor intelligence Pan scanner are using stepper me the Pan angle is automatic adjusted, Indoor Pan scanner is using ABS plastic as material, which is lightweight and convenient; outdoor Pan scanner is made of aluminum alloy by die casting molding, high temperature, anti-aging, anti-corrosion, and waterproof.

The Internal use of chip design and the Pan scanner unit has preset calls and line scan function to facilitate customers remotely.

This manual provides detailed installation method and installation procedure, the installer must learn more about the installation location of the building structure, and learn more about technical requirements for installation, properly installed in order to achieve optimal and safety use of this product

2, Technical parameters:

Item number category		
Use of the environment	INDOOR	OUTDOOR
Input Voltage	DC12V	
Camera Operating Voltage	DC12V 500MA	
Communication control mode	Rs-485half-duplex bus	
Protocol	PELCOD-D	
Baud Rate	2400bps	
Address Code	0~255	
Preset range	1~32	
Rotate angle	Pan Max:0-355°	
Rotate speed	Pan0-4.8° /s	
Rotary limit	Pan angle adjustable	
Supporting Wires	0.5mm² Cable(connection distance 5m)	
Load	Pan 7 kg	
Input plug	1.DC12V+,2.DC12V-	DC12VIN; Orange: RS485+,
	3.RS485+,4.RS485-	Yellow: RS485-: DC12VOUT

Operating Temperature	-10℃ ~55℃	
Materials	ABS Engineering Plastics	Aluminum alloy casting
Optional mounting bracket	5066	

3 Function of the Pan scanner

3.1 When connect to power supply, the default is horizontal rotation state, protocol, baud rate defaults to PELCO-D, 2400

3.2 256 address code, can be arbitrarily set

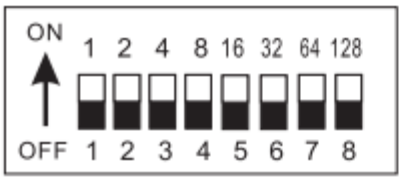
3.3 64 preset positions can be arbitrarily set

3.4 via the keyboard or call the89 preset to turn on or off the horizontal rotation

Note: Under the energized state, if need to re-adjust the horizontal spacing. power on again.

4. the address setting: (DIP switches 1-8 are for the address code setting)

Open the bottom cover set to set the address, address code is 8-bit binary code, which corresponds to the sum of the DIP switch ON positions. total can be set to 256. If45 road then 45 =1 +4+8 +32 corresponding bit is set ON.



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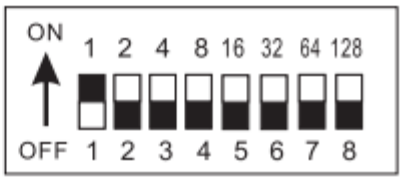
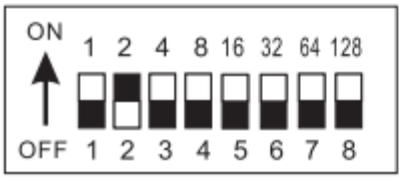


1



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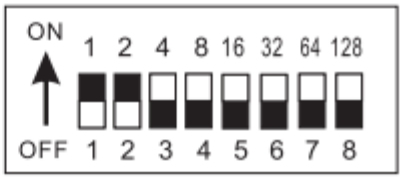

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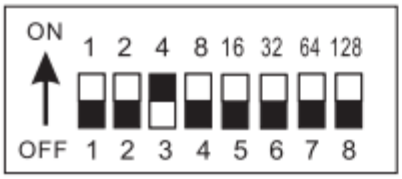

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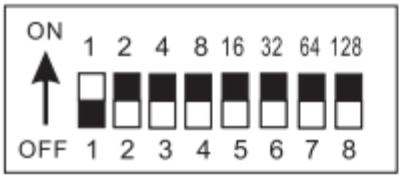

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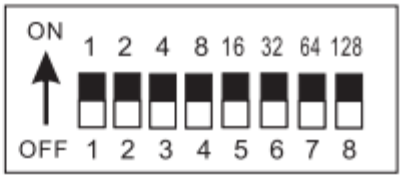

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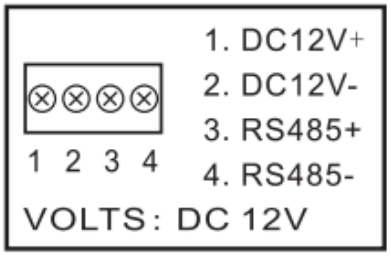
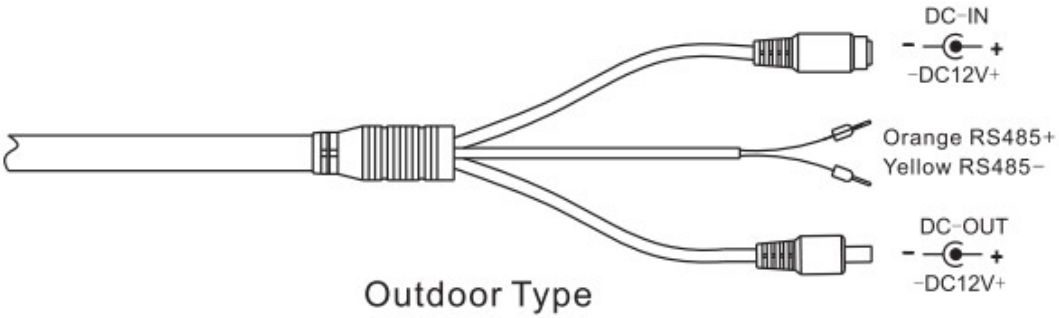
5. PTZ connection

5. 1. 1. Indoor Wiring



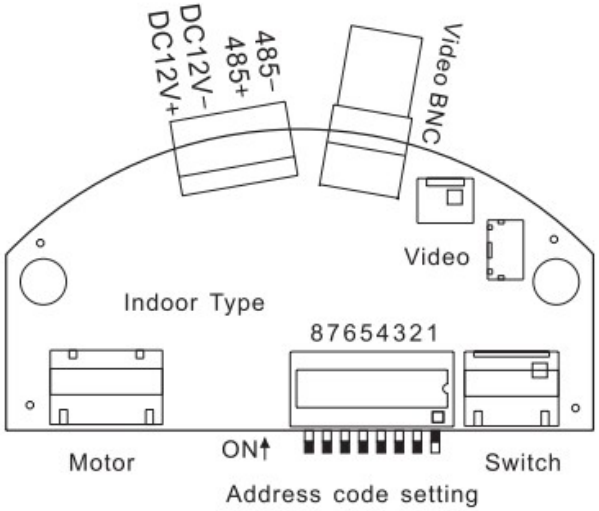
Indoor Type

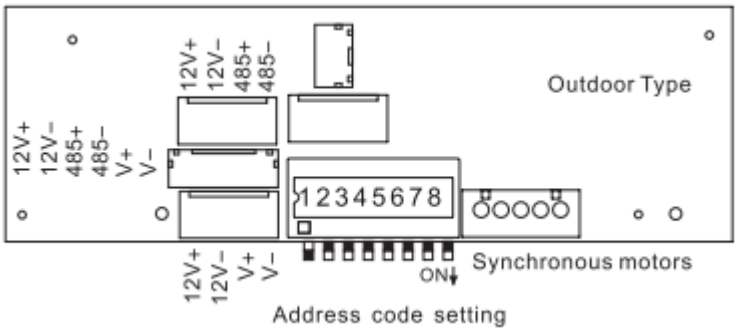
5.1.2. Outdoor Wiring



Outdoor Type

5.2 The decoder board connections and switch position





5.3. Preset setup and call

Preset settings: manually rotate the camera to the desired preset position, then press the number

keys to enter the preset umber you want, press [PRESET] key less than two seconds(preset bit number ranging from 1 to 64)

For example, the 1st preset point setting: Press [1], and then press the [PRESET] key, and so on

Preset Call: Press the number key you want, then press the [CALL] key, the Pan scanner will move to the preset point

For example, the 1st preset point call as follows: press [1], and then press the [CALL] key, and so on

Preset position clear: press the preset number key, then press PRESET key more than two seconds, the preset point is cleared

For example, the 1st preset point clear as: press [1], and then press the [PRESET key two seconds or more

Starting position of line scan settings: manually rotate the camera to the desired line scan starting position, press the number keys [17], and then press the[PRESET] key.

End position of line scan settings: manually rotate the camera to the desired line scan end position, press the number keys 18) and then press the [PRESET] key (at meanwhile starting the line scan).

6, Connection and termination resistors

The RS485 industry BUS standard requires all devices use daisy-chain connection. The two ends must be connected with 120 termination resistors (Figure 1): simple connection please refer to Figure 2, but the "D" distance should not exceed 7 meters, and the terminal resistor must be connected at the fart devices shown in Figure 2

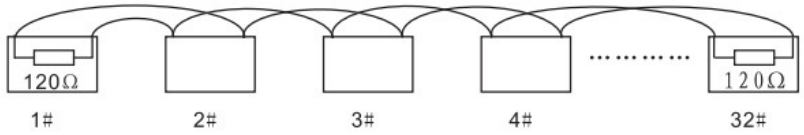


Figure 1

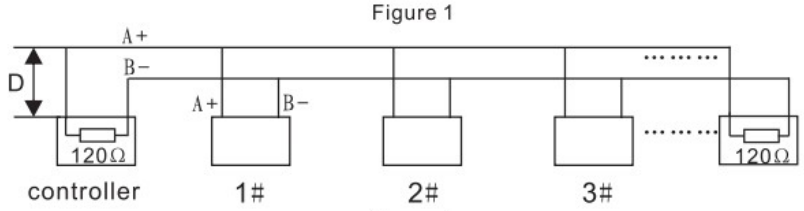
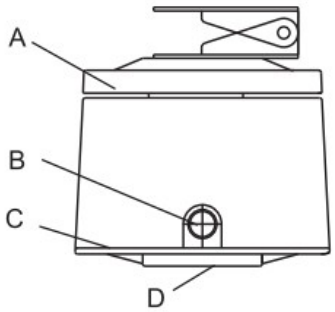


Figure 2

Functional diagram:

A. rotate angle limit
B. Function Input
C. Open the back cover, the address code can be set
D. mounting hole



Note: This product is non-inversion

7. precautions and maintenance

1 Please note the use of the power voltage marked on this manual do not insert high-voltage, otherwise it will burn out the device

2 The move angle of the scanner must not exceed 355", otherwise it will lead to internal wiring wrapped malfunction

3 Do not put the scanner in a long time automatic working condition

8、Comman faults

A Pan scanner does not work when supply power Cause: Power supply voltage is not turned on or wrong connected

B. Pan scanner can not be controlled Reason: Pan scanner communication control wires are contrary connected

Pan scanner control protocol error;

Pan scanner Baud rate error.

Pan scanner address code error: address code switch settings match the host camera address code or not.: (maybe 1st camera of the host is the address. and the host O camera address is the number 1)communication line is too long or the signal is too weak, failing to add connected resistors

C. Connect to powers supply for a while, Pan scanner can not be controlled

Reason: Pan scanner working voltage is too low; Pan scanner load is too large

D. Operation DIP switch can not control, re-start the plower supply

PTZ warranty card

User		Address		Tel	
Sales Unit				Date	
Product Type					
Mark:	Please do not tear up the number on the machine otherwise no warranty or replacement. If quality problems, take warranty card together with this machine to find dealers for replacement or repair, thank you!				

Note!

* Please do not attempt to disassemble the internal parts of the scanner, there are no internal serviceable parts inside, please contact the manufacturer for repair
* The scanner shall not work under environment at exceed the temperature, humidity, corrosive gases standards
* read the instructions carefully, connect wires in accordance with the wiring diagram and label, do not use the scanner under condition that exceed the standard power

* Do not place the device in a long time automatically working state

Sales agent: