

KCSMV5028-10M







V1.0.0

User Manual



Please read carefully before using the Manual

Packaging List: Lens × 1 USB to 485 × 1 data cable × 1 User Manual × 1

1. Introduction

RC-M Serial Lenses key function are motorized focus, Motorize Iris, with Preset characteristic on focus & iris which could find lens address & call lens back to set condition. The Software algorithm compensation helps higher positioning accuracy

2. Characteristic

- Power Input DC6.5-12V
 - RS-485 Strong anti-interference ability, long communication

distance

- Motorized focus, motorized iris
- With memory function
- Could find lens address & call lens back to set condition
- PELCO-D

3、 Interface & function





• Line order

Black wire power+ red wire power - white wire B yellow wire A (remarks: with cable ex-works)

• Power input

The power PCB supply DC6.5-12V, select the appropriate power supply according to the voltage value of the motor. The power wattage must be higher than 500mA. The positive and negative electrode of the power cannot be connected, otherwise it will damage the circuit

• 485 Interface

The RS-485 communication has two lines A and B, A or "+"

corresponding to the control device A or # # #, B or "-" corresponding to the control device B or "-". Circuit board default baud rate 9600, address 1

4. Lens installation and architecture

Step 1: Insert the data cable with terminal head into the lens 485 interface, and connect the other part to the USB to 485 converter

Step 2: Connect the USB to 485 converter to the computer USB interface and install the driver



4. Software debug instructions

• 4.1 Serial Port Setting

Prepare a USB to 485 to connect to the circuit board 485 communication port and give power to electricity. Run the debug software, as shown in Figure 4.1. Select the corresponding string slogan (view in the computer device manager) and open the serial port RC-M

发音信息 No	Name	Model	Bua	ьба Б		
		model			>	
					Secure	
					Search	
Lens Cont	trol					
Speed	1	1 1	I	I		
Zoom:		Read	Goto	Wide	Tele	
Focus:		Read	Goto	Near	Far	
Iris:		Read	Goto	Open	Close	
Preset	: 1 🗘	Setting	Call	Clear	Reset	
Comm Date	2					

Picture 4.1

RC-M

• Serial Port Setting

Click the "Search" button, and the online device will be displayed in the device information after the search is completed. See picture4.2

Change the address to the baud rate and relative address of the lens that needs to be controlled in "Communication Settings"

Serial Port Setting									
Port: (COM5 🔹 🔻	Buad: 9600	▼ Add:	1	Close				
Device	information								
No	Name	Model	Buad	Add					
1	Lens		9600	1	≫				
					Search				

Picture 4.2

• Lens Control

The lens control option can control focusing, aperture, speed regulation, reset, query setting lens position, setting the call memory position and other functions. See picture 4.3.



Picture 4.3

RC-M

When first time using, you need to call No. 34 preset position for the lens self -inspection to find zero. During the working process, you can find the preset position error or inaccurate.

- Control, zoom+, zoom- (not available now), focus+, focus-control lens focus, aperture+, aperture-control lens aperture
- Speed, the left-right pull-up speed slider can adjust the zoom (not available now), focus, aperture speed, low on the left and high on the right
- Module of Zoom, focus, aperture position on software, could be read data, and input the required value can run lens lens to required position
- Memory location: can set, call, and delete memory position. Some memory positions cannot be used. For details, please refer to the "Special Preset Instructions"
- Reset, Zoom(not available now), focus, aperture to zero position