ZOOM IP Camera Interface definition Manual

Remarks: This movement supports VISCA protocol (connected to Speed dome PTZ camera) and PTZ serial port protocol (connected to PTZ). The default is VISCA protocol.

Interface definition：

CN1	1	TXD1	P/T to RXD	VISICA9600
	2	RXD1	P/T to TXD	
	3	DOME UART2-TX	P/T TTL serial port , Baud rate:9600	
	4	DOME UART2-RX	ICR （Visca/IR ICR）	
	5	GND		
	6	DC12V		

CN2	1	TX+	J1	1	1: Active IR-CUT (connected to the white light interface of the IPC board) switches to the color mode on the APP, and the IR-CUT automatically switches to the color mode
	2	TX-			
	3	RX+		2	Infrared: Connect to the IPC infrared light interface
	4	RX-			

Command and Instructions:

1. The lens curve learning command:
    253 + set + 252 + call (The distance between the camera and the object must be greater than 50 meters)

2. Minimum focus distance setting:
    Set command: 251 + set + X + call. When X = 1, the minimum focusing distance is about 1.5 meters; when X = 2, the minimum focusing distance is about 3 meters; when X = 3, the minimum focusing distance is about 6 meters; when X = 4, the focusing distance is infinity. Default X = 2

3. Focus mode setting:
    Set command: 250 + set + X + call. When X = 1, the focus will only be triggered when the zoom movement is triggered; when X = 2, any change in the pan, tilt, left, right, and zoom modes will trigger the movement to focus; when X = 3, the automatic focusing mode, In any case, the movement will automatically focus. Default X = 2 '

4. Modification ZOOM times OSD display: execute command: 226 + call +226 + call + X, X represents zoom times value. X = 18-100, default X = 20, 20X

5, ZOOM times OSD display and not display: 225 + call + X + call, when X = 1, the ZOOM times display is on; when X = 2, the zoom times display is off, the default X =1

6. Modify the control protocol method (you need to restart the movement to take effect after modification):
    254+set+1+set: VISCA protocol (default) (PELCO-D, baud rate: 9600, address code: 1/255)
    254+set+2+set: PTZ serial port protocol (PELCO-D, baud rate: 9600, address: 1)

7. The movement supports the standard Visca protocol with a baud rate of 9600. The address codes of the dome camera are 1 or 255

8. Support humanoid coordinate push

9. Support audio input and output.

10. Support serial port to connect PTZ and control infrared light function (customization required)