



SpeedDome Quick Start Assembly Guide



Important: The Speed Dome has special packing material to hold the camera and lens in place. Do not remove the packing material until you are ready to mount the dome or the camera and lens may get damaged and lose calibration during transportation.

Lift off Black Plastic Cover



Holding the camera in place is a small piece of black styrofoam. Be sure to remove it before operating the camera.

Step #1 - Carefully unpack the dome, removing all packing material. If your dome has a black plastic cover, remove it by gently lifting the sides of the cover and lift straight up. It will slide off. Remove all the styrofoam packing material that is supporting the camera. Please do not apply power to the camera until all the foam material has been removed.

Important: If your dome does not have a black plastic cover similar to the picture on the left, contact your vendor or email us at tech@RoboticCircuits.com.



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Step #2: Locate the DIP Switches. They are on the side of the inner housing next to the base of the camera. They are used to select the BAUD Rate and the address of the dome.

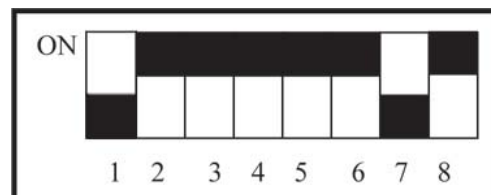
First set the BAUD Rate. This is the speed the communication commands will use. The BAUD Rate is set by switches 7 and 8. The Factory Default is 4800 BAUD.



Blow-up of DIP Switch

	K1-7	K1-8
2400/S	ON	ON
4800/S	OFF	ON
9600/S	ON	OFF

Step #3: Next set the address of the Speed Dome using DIP switches 1 to 6. The Factory Default Camera Address is Camera #1, (with a HEX Address of 01). Please refer to the Pelco Compatible table on page #3.



Factory Default;
BAUD = 4800
Camera# = 1
Hex Address = 01

Important: Different DVR software packages use different Addressing schemes. Some will designate camera #1 with a HEX address of "00", and some will designate Camera#1 with a HEX Address of "01". Our SpeedDomes should be set with a HEX address of "01" and designated as Camera #1.

(See Users Manual for additional details).



Quick Start Guide (cont)



DIP Switch Settings with Default of 4800 BAUD

Cam #	Hex Address	K-1	K-2	K-3	K-4	K-5	K-6	K-7	K-8	
1	01	OFF	ON	ON	ON	ON	ON	OFF	ON	
2	02	ON	OFF	ON	ON	ON	ON	OFF	ON	
3	03	OFF	OFF	ON	ON	ON	ON	OFF	ON	
4	04	ON	ON	OFF	ON	ON	ON	OFF	ON	
5	05	OFF	ON	OFF	ON	ON	ON	OFF	ON	
6	06	ON	OFF	OFF	ON	ON	ON	OFF	ON	
7	07	OFF	OFF	OFF	ON	ON	ON	OFF	ON	
8	08	ON	ON	ON	OFF	ON	ON	OFF	ON	
9	09	OFF	ON	ON	OFF	ON	ON	OFF	ON	
10	10	ON	OFF	ON	OFF	ON	ON	OFF	ON	
11	11	OFF	OFF	ON	OFF	ON	ON	OFF	ON	
12	12	ON	ON	OFF	OFF	ON	ON	OFF	ON	
13	13	OFF	ON	OFF	OFF	ON	ON	OFF	ON	
14	14	ON	OFF	OFF	OFF	ON	ON	OFF	ON	
15	15	OFF	OFF	OFF	OFF	ON	ON	OFF	ON	
16	16	ON	ON	ON	ON	OFF	ON	OFF	ON	



Quick Start Guide (cont)



Step #4: Connect the power and communication cables to the dome. There will be four wires for Indoor Speed Domes, and six wires for Outdoor Speed Domes (fan and heater power). Use the following table. (See User's Manual for additional details).

Color	Function	Data	Note
Red (DC12+)	Dome power	DC12V+	Power Supply
Black (DC12-)	Dome power	DC12V-	
Brown	RS485	A	Communication
White	RS485	B	
Yellow	Fan/Heater	DC12V+	DC12V Power
White	Fan/Heater	DC12V-	
Special Order	Fan/Heater	AC24V	AC24V Power
Special Order	Fan/Heater	AC24V	
Coaxial	Video	Inner + Shield -	Video

Step #5 - If you are controlling the SpeedDome with a PC, connect the RS-485 adaptor to your serial port and the brown and white wires to "A" and "B" on the RS485 adaptor. If you are using a joystick controller, connect the brown and white wires directly to the terminal block of the Joystick Controller. (See User's Manual for additional details).



RS485 Adaptor



Joystick Controller



Appendix #A **Replacing the Camera Module**



The entire camera module, including the Pan and Tilt motors are field replaceable.

There are 4 large bolts securing the module to the outer housing.
(See Diagram #1).

Remove these bolts and the module comes out of the dome in one piece.

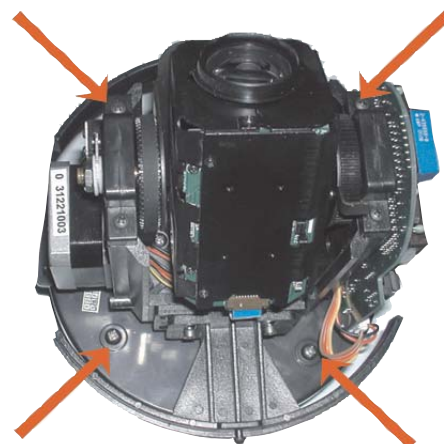


Diagram #1
Four Bolts hold the camera module in place.

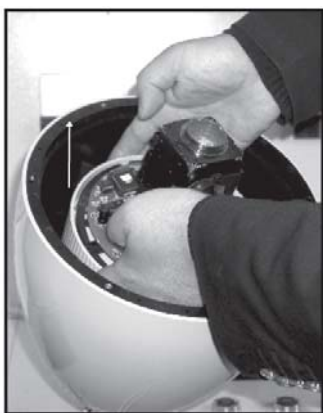


Diagram #2
After removing the bolts, lift the entire mechanism away from the housing.

Before removing the module, be sure to disconnect the power and communication wires. The fan and heater are connected to the housing and will not come out with the camera module.
(See Diagram #2).

For detailed Instructions, please see the User's Manual.