

security labs

Model SLC-170C

Weatherproof Pan/Tilt 22X Optical Zoom Dome



Owner's Manual

15540 Herriman Blvd. Noblesville, IN 46060 - Customer Support 1-800-774-0284

www.security-labs.com

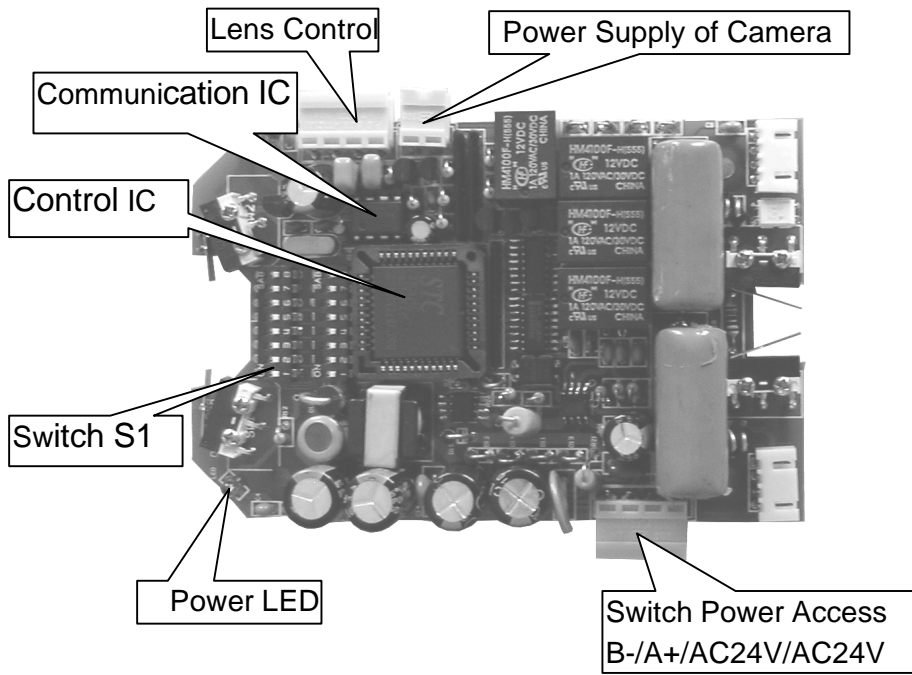
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Important Safety Measures

- 1) Please read this manual before installing the equipment.
- 2) Please follow all warning notices on the equipment and in the manual.
- 3) Please only use accessories which are recommended by your dealer or ones that are listed at the end of this manual.
- 4) Please protect cables well, especially near connection points.
- 5) Prevent corrosive type liquids from coming in contact with the dome.
- 6) Do not install equipment on unstable surfaces or structures. High winds can cause a poorly installed dome to become a hazard.
- 7) Contact customer service @ 1-800-774-0284 for maintenance issues.
- 8) The input voltage of this equipment is 24VAC. Please only use the power supply that comes with the unit.

1. Decoder PC Board



PCB of Decoder (7" Dome)

2. Technical Parameters

Items	Specifications
Input Voltage	24VAC ($\pm 20\%$), 50/60HZ
Power Supply to Camera	12VDC
Power	$\approx 35W$
Communication	RS-485
Baud Rates	2400/S, 4800/s, 9600/s Optional
Pan Speed	Horizontal: 12°/Second, Vertical: 12°/Second
Pan / Tilt Angles	Horizontal: 0~356°, Vertical: 0~90°
Range	Horizontal, Vertical Adjustable
Housing	Upper Cover: High-intensity Flame Retardant ABS Lower Cover: Acrylic
Working Temperature	Outdoor: -20~50?
Auto Temperature Control	Heater ON: <41 Degrees F, OFF: = 41 Degrees F Fan ON: >104 Degrees F, OFF: = 104 Degrees F
Max. Dimensions of Camera and Lens (mm)	115x70x75

3. Protocol Selection

The communication protocol of the decoder is Pelco-P or Pelco D. (Automatically adjusts).

4. Baud Rate Setting

Baud Rates: 2400/S, 4800/s, 9600/s The #7 & #8 positions of switch S1 on the PCB are used for setting the baud rate. The default setting is 9600/S. This setting must match the setting in your DVR or controller device.

Table for Baud Rate Setting

Baud Rate	Switch Positions	
	7	8
2400/S	ON	ON
4800/S	OFF	ON
9600/S	ON	OFF
9600/S	OFF	OFF

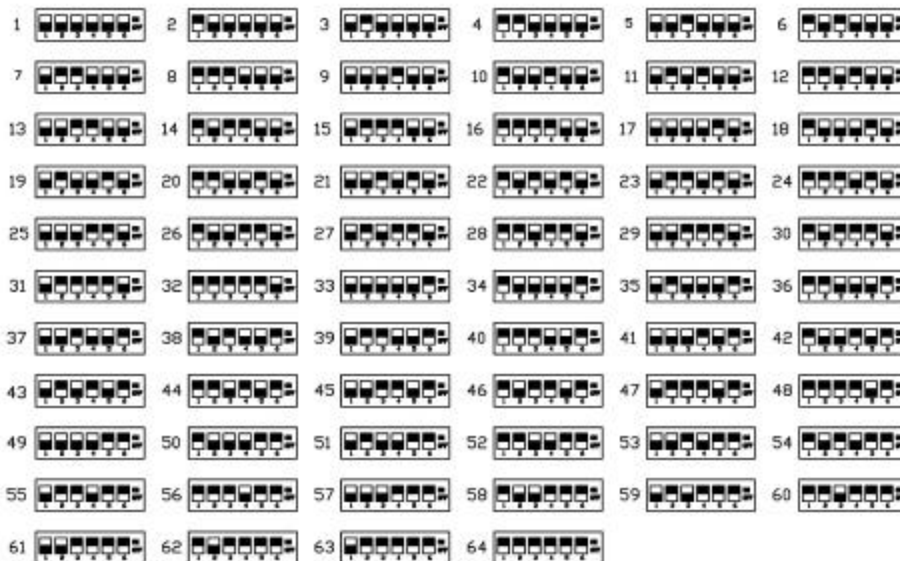
5. ID Setting

The #1.#6 positions of switch S1 on the PCB are used for setting the ID of your PTZ camera. The default value is OFF. An ID number is needed for your DVR or controller to contact the proper camera you are wanting to operate.

Note: The ID number can be plus or minus 1 or 2 according to different types of control systems. Pelco-P particularly may need for the controlling device (DVR) to have a camera ID number set to 1 or 2, to control a camera that has its control board set to number 1.

Please disconnect and re-apply power (re-boot) to the dome after setting the ID switches.

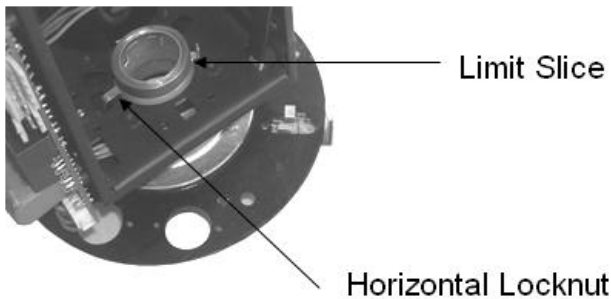
Table for ID switch setting (up is "ON"). Selection switch positions of 1 through 6 (of 8 total) on S1 are shown below:



7. Manually Limiting the Pan & Tilt Range

The maximum angle of the pan/tilt mechanism is set at the factory (horizontal: maximum 356°, vertical: maximum 90°), it is unnecessary to adjust the limits of the mechanism unless there are special requirements of the installation.

You can limit the pan range of your camera by adjusting the stop tabs (slices) on top of the mechanism. Please remove the mechanism from the top section of the housing by loosening its four Philips head mounting screws, loosen the horizontal locknut of the bracket, and adjust the protruding position of two limit slices (tabs) to get the limited pan range you desire.



Again, this adjustment is not needed unless there is an area you wish the camera operator not to view (i.e. windows behind the camera versus the parking lot in front of it).

8. Mounts included with your kit

Ceiling Mount

Wall Mount



9. Wiring for Dome System

100 feet of CAT5E twisted pair cable, and 20' of power supply wiring is included with your dome camera. Additional CAT5E cable can be purchased from a variety of stores or distributors and easily spliced to your cable. Up to 1,000 feet of cable can be successfully used on an installation. More distance can be achieved with the use of an amplifier. Call our customer service line for information on current models of amplifiers.

The RS-485 communication signal is sent over one twisted pair while the video is sent over another twisted pair. Video balun transformers are included to connect the video output of the dome to the CAT5E cable, and to connect the CAT5E cable to your DVR or other control device. **Please make sure to follow polarity markings (+ and -) on the video baluns and the RS-485 connections.**

Wires coming from dome:

24V AC Power Supply Jack

RS-485 Communication Cable: RS-485 A+, RS-485B-

Coax video cable with connector for balun transformer.

Remarks: Please refer to the indications of the labels on the cables.

10. Installation Requirements

1) To ensure proper operation make sure the 24VAC power supply packed with your dome camera is securely mounted to an indoor 120VAC outlet near the location of the dome. **Transformer is not made for outdoor use.** Extension power wires to the dome should be #16 AWG or greater conductors with insulation intended for outdoor use. Please consult your local electrical codes for specific information.

2) Secure the included wall or ceiling (pendant) bracket to hold a minimum of five times the total weight of your dome assembly. High winds can cause your dome assembly to be torn away from its location and become a hazard. The included lag screws are provided for your convenience to mount the brackets directly to a wood support beam or joist, and anchors for concrete block mortar joints. Your particular installation situation should be carefully planned, and the proper mounting hardware should be used in all cases. Please consult with a professional installer if you are not well acquainted with this type of construction project.

3) Mark the location for the bracket mounting screws and drill the appropriate size holes for your

installation. Run wiring from the dome through the bracket, and attach the dome to the bracket exerting equal pressure on the three screws around the neck of the dome. Connect the house wiring from the control unit or DVR to the dome before mounting the dome if access to the dome wiring will be limited after mounting. **BE SURE TO MOUNT THE BRACKET SECURELY TO THE BUILDING OR POLE STRUCTURE. Notice: If installed outdoors, please make sure all seals are tight to prevent water from entering the dome. Caulk may be used around the building side of the wall or ceiling bracket.**

11. Optional Accessories

- 1) Pendant Mount (Ceiling) Bracket
- 2) Wall Mount Bracket
- 3) Pole Mount Bracket
- 4) Corner Mount Bracket



Wall Mount



Ceiling Mount



Corner Mount



Pole Mount

11. Zoom Camera Specifications

Type: 1/3" Color Super HAD CCD

Video: NTSC, composite 1V p-p, 75 ohm

Light sensitivity: 0.02 to 1 LUX

Iris: auto electronic w/ AGC

Resolution: 420 lines

Lens: 3.9 to 85.8mm (22X zoom)

Automatic and manual focus

Power: 12VDC

Size: 2.5" (H) x 2.5" (W) x 3.5 (D)

Day-night function for low light level viewing

OSD menu commands and set-up

RS-485 communication

Please check www.security-labs.com for updates to the product technical specifications.

Installation Notes: