

**HS8134  
High Security  
Enclosure**

**Installation/  
Operation Manual**

**C1466M-A (5/98)**

---

## CONTENTS

---

<u>Section</u>	<u>Page</u>
1.0 GENERAL .....	3
1.1 IMPORTANT SAFEGUARDS AND WARNINGS .....	3
1.2 UNPACKING INSTRUCTIONS.....	4
1.3 RECOMMENDED TOOLS .....	4
2.0 DESCRIPTION .....	5
2.1 MODELS .....	5
3.0 INSTALLATION .....	6
3.1 ENCLOSURE INSTALLATION .....	6
3.2 CAMERA AND LENS INSTALLATION .....	6
4.0 MAINTENANCE.....	8
5.0 SPECIFICATIONS .....	9
6.0 WARRANTY AND RETURN INFORMATION .....	12

### LIST OF ILLUSTRATIONS

<u>Figure</u>	<u>Page</u>
1 HS8134 Dimension Drawing .....	9

### LIST OF TABLES

<u>Table</u>	<u>Page</u>
A Video Coaxial Cable Wiring Distances .....	7
B 24 VAC Wiring Distances .....	7

### REVISION HISTORY

<u>Manual #</u>	<u>Date</u>	<u>Comments</u>
C1466M	6/97	Original version.

---

---

## 1.0 GENERAL

---

---

### 1.1 IMPORTANT SAFEGUARDS AND WARNINGS

Prior to installation and use of this product, the following WARNINGS should be observed.

1. Installation and servicing should only be done by qualified service personnel and conform to all local codes.
2. Unless the unit is specifically marked as a NEMA Type 3, 3R, 3S, 4, 4X, 6, or 6P enclosure, it is designed for indoor use only and it must not be installed where exposed to rain and moisture.
3. Only use replacement parts recommended by Pelco.
4. After replacement/repair of this unit's electrical components, conduct a resistance measurement between line and exposed parts to verify the exposed parts have not been connected to line circuitry.
5. The installation method and materials should be capable of supporting four times the weight of the enclosure, pan/tilt, camera and lens combination.

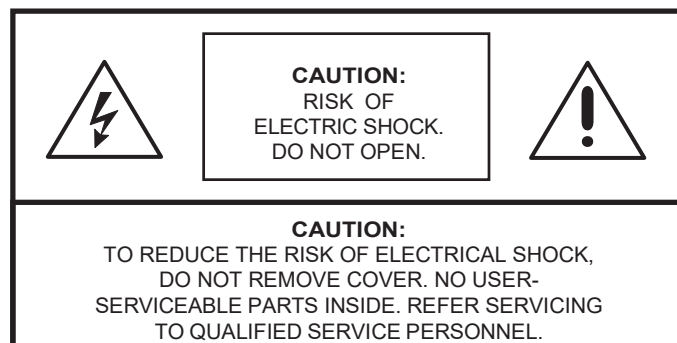
The product and/or manual may bear the following marks:



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



**Please thoroughly familiarize yourself with the information  
in this manual prior to installation and operation.**

## 1.2 UNPACKING INSTRUCTIONS

Unpack and inspect all parts carefully.

The following items are supplied:

- 1 Enclosure
- 1 Installation/Operation Manual (C1466M-A)
- 1 Parts bag (Parts may be used to attach the camera to the mount.)
  - 1 Hex bolt, 1/4-20 x 1/2"
  - 1 Split washer
  - 1 Flat washer

Be sure to save the shipping carton, boxes and inserts. They are the safest material in which to make future shipments.

If an item appears to have been damaged in shipment, replace it properly in its box and contact the factory at 1-800-289-9100 or 1-559-292-1981 for a replacement. (International customers fax 1-559-348-1120 for authorization and instructions.)

If an item needs to be returned to the factory for repair, consult the WARRANTY AND RETURN section of this manual for instructions.

## 1.3 RECOMMENDED TOOLS

Pelco does not supply the basic tools needed for the installation process. The following tools are recommended.

To install the enclosure and camera:

- Pin-in-hex wrench (Included to remove tamper-resistant screw.)
- Small adjustable wrench
- Phillips screwdriver
- BNC crimp tool
- Wire stripper
- Wire cutter
- Coaxial cable stripper

---

---

## 2.0 DESCRIPTION

---

---

The information within this manual covers the installation of the HS8134 low-profile high security enclosures.

The HS8134 is a high security ceiling mount enclosure designed for installations such as prisons, detention cells, etc., requiring maximum protection from vandalism. The HS8134 is constructed from heavy gauge steel for high damage resistance.

There is no exposed mounting hardware securing the HS8134 to its mounting surface. Opening the enclosure can only be accomplished with a specially designed tool (included), eliminating the possibility of the enclosure being opened by unauthorized persons. The HS8134 features a removable, adjustable cam-era cradle for easy positioning. An impact-resistant Lexan® window is supplied with the enclosure.

### 2.1 MODEL

HS8134 is a security ceiling mount enclosure constructed from heavy gauge steel, designed for installations such as prisons, detention cells, etc., requiring maximum protection from vandalism. High damage resistance.

---

## 3.0 INSTALLATION

---

### 3.1 ENCLOSURE INSTALLATION

To mount the HS8134 enclosure, perform the following steps:

1. Determine the location and direction of the enclosure to be mounted.
2. Unlock the cover by unscrewing the tamper-resistant screw. (Pin-in-hex wrench included to remove tamper-resistant screw.) Open the cover of the enclosure.
3. Remove the camera cradle by loosening the two 7/16-inch adjustment nuts that hold the camera cradle to the enclosure.
4. Remove any appropriate knockout. Attach the enclosure to the ceiling using the four mounting holes in the back of the enclosure.

**Proceed to Section 3.2, CAMERA AND LENS INSTALLATION.**

### 3.2 CAMERA AND LENS INSTALLATION

To mount the camera/lens directly into the enclosure, perform the following steps:

1. If you haven't removed the camera cradle when you installed the enclosure, remove it now. Loosen the two 7/16-inch adjustment nuts that hold the camera cradle to the enclosure and remove the camera cradle.
2. Mount the camera/lens onto the camera cradle.
3. Route the appropriate cables into the enclosure. Make all necessary electrical connections to the camera. Refer to Table A for the type of video coaxial cable to use. If the camera will use 24 VAC power, refer to Table B to determine the size of wire needed.
4. Reinstall the camera cradle, with camera/lens installed, into the enclosure. Adjust the forward and backward position of the camera/lens to clear the enclosure cover when closed and tighten the two 7/16-inch adjustment nuts. Test close the enclosure to see that the enclosure closes properly.
5. Loosen the two 10-32 Philips head tilt adjustment screws. Adjust the tilt adjustment screw nearest the enclosure hinge to tilt the camera down and the screw closest the front of the enclosure to tilt the camera up. Test close the enclosure to see that the enclosure closes properly.

**Close and lock the cover with the tamper-resistant screw.**

**Table A.** Video Coaxial Cable Wiring Distances

Cable Type*	Maximum Distance
RG59	750 ft (229 m)
RG6	1,000 ft (305 m)
RG11	1,500 ft (457m )

\* Minimum cable requirements:  
75 ohms  
All-copper center conductor  
All-copper braided shield with 95-percent braid coverage

**Table B.** 24 VAC Wiring Distances

The following are the recommended maximum distances for 24 VAC applications and are calculated with a 10-percent voltage drop. (Ten percent is generally the maximum allowable voltage drop for AC-powered devices.)

**EXAMPLE:** An enclosure that requires 80 vA and is installed 35 feet (10 m) from the transformer would require a minimum wire gauge of 20 Awg.

**NOTE:** Distances are calculated in feet; values in parentheses are meters.

		Wire Gauge					
		20	18	16	14	12	10
Total vA consumed	10	283 (86)	451 (137)	716 (218)	1142 (348)	1811 (551)	2880 (877)
	20	141 (42)	225 (68)	358 (109)	571 (174)	905 (275)	1440 (438)
	30	94 (28)	150 (45)	238 (72)	380 (115)	603 (183)	960 (292)
	40	70 (21)	112 (34)	179 (54)	285 (86)	452 (137)	720 (219)
	50	56 (17)	90 (27)	143 (43)	228 (69)	362 (110)	576 (175)
	60	47 (14)	75 (22)	119 (36)	190 (57)	301 (91)	480 (146)
	70	40 (12)	64 (19)	102 (31)	163 (49)	258 (78)	411 (125)
	80	35 (10)	56 (17)	89 (27)	142 (43)	226 (68)	360 (109)
	90	31 (9)	50 (15)	79 (24)	126 (38)	201 (61)	320 (97)
	100	28 (8)	45 (13)	71 (21)	114 (34)	181 (55)	288 (87)
	110	25 (7)	41 (12)	65 (19)	103 (31)	164 (49)	261 (79)
	120	23 (7)	37 (11)	59 (17)	95 (28)	150 (45)	240 (73)
	130	21 (6)	34 (10)	55 (16)	87 (26)	139 (42)	221 (67)
	140	20 (6)	32 (9)	51 (15)	81 (24)	129 (39)	205 (62)
	150	18 (5)	30 (9)	47 (14)	76 (23)	120 (36)	192 (58)
	160	17 (5)	28 (8)	44 (13)	71 (21)	113 (34)	180 (54)
	170	16 (4)	26 (7)	42 (12)	67 (20)	106 (32)	169 (51)
	180	15 (4)	25 (7)	39 (11)	63 (19)	100 (30)	160 (48)
	190	14 (4)	23 (7)	37 (11)	60 (18)	95 (28)	151 (46)
	200	14 (4)	22 (6)	35 (10)	57 (17)	90 (27)	144 (43)
		Maximum distance from transformer to load					

---

## 4.0 MAINTENANCE

---

Regularly scheduled maintenance will prolong the operational life and appearance of the enclosure. Clean the outer surface of the enclosure and the inner surface of the viewing window with a nonabrasive cleaning cloth and antistatic cleaner that is safe for use on acrylic plastic. Do not use kerosene or similar substances that may damage the surface.



---

---

## 5.0 SPECIFICATIONS

---

---

### GENERAL

Environment: Indoor (Usable outdoors under cover; that is, such as parking garages)

Operating Range: 32° to 120°F (0° to 49°C)

Weight	<u>Unit</u>	<u>Shipping</u>
HS8134:	4.15 lb (1.88 kg)	5 lb (2.27 kg)

Dimensions: See Figure 1

Rating: NEMA 1

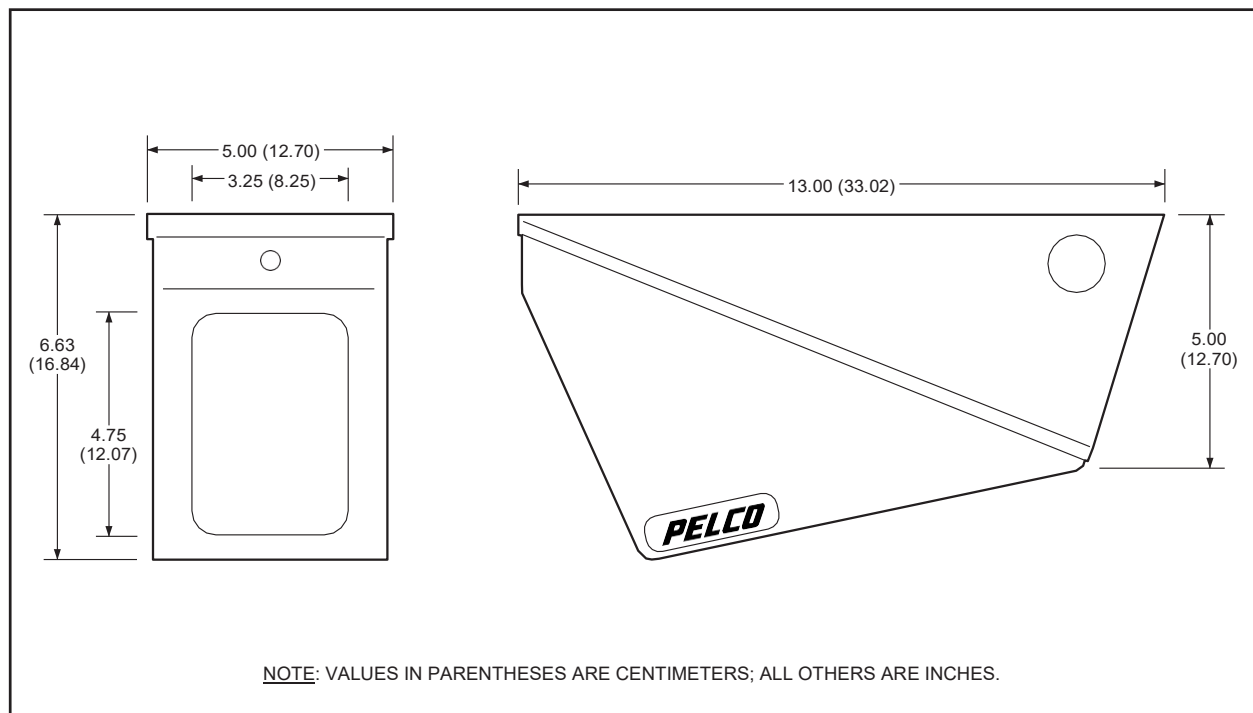
### MECHANICAL

#### Construction

HS8134: 0.50-inch (1.27 cm) Lexan® viewing window

Finish: Gray polyester powder coat

Enclosure Mounting: Four 0.25-inch (0.63 cm) holes on rear surface



**Figure 1.** HS8134 Dimension Drawing

Max. Camera/  
Lens Size: 3.5" H x 9.75" L x 3.0" W (8.89 x 24.77 x 7.62 cm)\*  
\* Dimensions include BNC connector  
Length may vary if width and height of camera and lens are different.

Camera Mounting: Removable, adjustable camera cradle

Lock: Tamper-resistant 8-32 screw  
(Pin-in-hex wrench included to remove tamper-resistant screw.)

### **ELECTRICAL**

Cable Entry: One cable knockout hole on flat mounting surface.  
Two cable knockout holes on side of enclosure.

Tamper Switch: 1/4" (.63 cm) quick disconnect. N.O./N.C. clearly marked on switch body. 10 A maximum switching current. 125 V maximum switching voltage.

*(Design and specifications are subject to change without notice.)*



