LTC 9380 Series Outdoor Housings

- For 1/3-inch or 1/2-inch Format CCD Cameras
- All Aluminum Construction
- Easy Installation
- Available in Two Lengths
- Built-in Window Heater/Defogger
- Accessories Available



The LTC 9380 Series of environmental housings are attractive aluminum enclosures designed for outdoor CCD camera installations. Slim and compact, the LTC 9380 Series are available in two lengths.

These housings are constructed of extruded aluminum and include a

one-piece camera/lens mounting cradle with front- and rear-end caps. The front-end cap contains the glass viewing window with an integral heater design that minimizes fogging of the window in high humidity areas or freezing under cold temperature conditions. The aluminum rear-end cap

contains three liquid-tight fittings which permit pass-through of video coax, AC power, and lens control wiring. Both end caps are sealed with lubricated O-rings.

The permanent base permits mounting to pan/tilts, adjustable heads, and various wall mounts.





SPECIFICATIONS

Electrical

Power Transformer ¹					
Model No.	Rated Input	Voltage Range	Voltage Output	Nominal Power ²	
LTC9383/60	115 VAC, 50/60 Hz	108 to 132	24 VAC, 50/60 Hz	30 W	
LTC 9383/20	24 VAC, 50/60 Hz	21.6 to 26.4	24 VAC, 50/60 Hz	30 W	
LTC 9383/10 ³	24 VAC, 50 Hz	21.6 to 26.4	24 VAC, 50 Hz	30 W	
LTC 9383/50	230 VAC, 50/60 Hz	207 to 253	24 VAC, 50/60 Hz	30 W	
LTC 9388/60	115 VAC, 50/60 Hz	108 to 132	24 VAC, 50/60 Hz	30 W	
LTC 9388/20	24 VAC, 50/60 Hz	21.6 to 26.4	24 VAC, 50/60 Hz	30 W	
LTC 9388/10 ³	24 VAC, 50 Hz	21.6 to 26.4	24 VAC, 50 Hz	30 W	
LTC 9388/50	230 VAC, 50/60 Hz	207 to 253	24 VAC, 50/60 Hz	30 W	

- 1. The power transformers included with these housings are used to provide heater power, and can be used to provide isolated camera power.
 2. Heater requires 10 watts.
- 3. IEC approved 24 VAC units.

Mechanical

Maximum Camera/Lens Size:

LTC 9383: Accepts cameras up to $64 \,\mathrm{W} \times 54 \,\mathrm{H}$ mm (2.5 \times 2.1 in), lenses up to $67 \text{ W} \times 75 \text{ H} \text{ mm} (2.6 \times 2.9 \text{ in})$, and camera/lens combinations up to 252 mm L (9.9 in).

LTC 9388: Accepts cameras up to $64 \text{ W} \times 54 \text{ H} \text{ mm}$ (2.5 x 2.1 in), lenses up to $67 \text{ W} \times 75 \text{ H} \text{ mm} (2.6 \times 2.9 \text{ in})$, and camera/lens combinations up to 353 mm L (13.9 in).

Cable Entry: Three liquid-tight fittings. Accepts the following cable diameters: one fitting 2.3 mm to 6.4 mm (0.09 in to 0.25 in), two fittings 3.8 mm to 10 mm (0.15 in to 0.39 in).

Window: 3 mm (0.118 in) thick glass. Includes thermostatically-controlled window heater-defogger.

Housing Mounting: Three (3) 1/4-20 tapped holes.

Camera Mounting: Removable cradle assembly with hole pattern for mounting camera/lens assembly. Cradle may be rotated through 360°.

Construction: Extruded aluminum housing, aluminum rear-end cap, aluminum front cap with glass faceplate, and aluminum cradle.

Finish: Mushroom.

Dimensions: See drawing.

LTC 9383: 449 L x 97 W x 112 H mm (17.7 x 3.8 x 4.4 in). LTC 9388: 551 L x 97 W x 112 H mm (21.7 x 3.8 x 4.4 in).

Weights:

LTC 9383: 1.4 kg (3 lb). LTC 9388: 1.8 kg (4 lb).

Environmental

Temperature: At external ambient temperatures of -40 °C to +50 °C (-40 °F to +122 °F); maintains internal temperatures between -20 °C to +55 °C (-4 °F to +131 °F).

Salt Atmosphere: MIL-STD-810E, Method 509,

Procedure I.

Enclosure Protection: Designed to NEMA-4, IP65,

Enclosure Type 3.

Electromagnet Compatibility

EMC Requirements:

Immunity: 89/336/EEC, EN50082-1.

Emission: 89/336/EEC, EN50081-1 Class B.

CE: LVD Requirements: 73/23/EEC; EN60065.

UL: UL 1409.

cUL: CSA 22.2, No.1.

Accessories

Sunshield: Provides protection from the direct rays of the sun and promotes cooling to reduce internal housing temperatures.

LTC 9383/00: For LTC 9383 Series housings. LTC 9388/00: For LTC 9388 Series housings.

Tamper Resistant Kit: Includes screws and insertion tool to permit tamper-resistance for up to 10 housings. LTC 9380/00: For LTC 9383 and LTC 9388 Series housings.

LTC 9381/00 NPT to PG Conversion Kit: Converts NPT cable entry holes to two PGII; includes 3/8 inch NPT plug.

Suggested Applications

Camera Models	Suggested Lenses	Suggested Lenses	
	LTC 9383 Series	LTC 9388 Series	
LTC 0140, LTC 0240 Series ²	Fixed	Fixed	
LTC 0330, LTC 0350 Series	Fixed, TC9938, TC9948	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
LTC 0430, LTC 0450 Series	Fixed, TC9938, TC9948	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
TC360 Series	Fixed,TC9948A ¹ ,TC1848B ¹	Fixed, TC9948A, TC1848B1, TC9970A	
TC380 Series	Fixed,TC9948A ¹ ,TC1848B ¹	Fixed, TC9948A, TC1848B1, TC9970A	
TC390 Series	Fixed, TC9938, TC9948A, TC1848B1, TC99581	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
TC350A Series	Fixed	Fixed, TC9948A, TC1848B1, TC9970A	
TC370 Series	Fixed, TC9938, TC9948A, TC1848B1, TC99581	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
TC551A,TC554AX	Fixed	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
TC552A,TC552AX	Fixed, TC9938, TC9948A, TC1848B1, TC99581	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
TC590 Series	Fixed, TC9938, TC9948A, TC1848B1, TC99581	Fixed, TC9938, TC9948A, TC1848B1, TC99581, TC9970A	
TC651B,TC652BT,TC654BX	Fixed	Fixed, TC9948A, TC1848B1, TC9970A	
TC652B,TC652BX	Fixed,TC9948A ¹ ,TC1848B ¹	Fixed, TC9948A, TC1848B1, TC9970A	
TC952,TC952X	Fixed	Fixed	
TC972,TC972X	Fixed	Fixed	

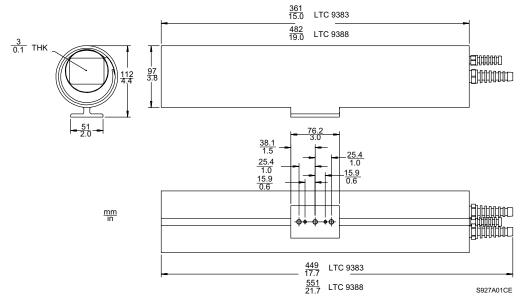
Suggested CS Mount Fixed Auto-Iris and Zoom Lenses (1/2-inch and 1/3-inch cameras, except TC952 and TC972 Series)

TC9902: 1/3-inch 2.8 mm, f/1.2, fixed TC9904: 1/3-inch 4 mm, f/1.2, fixed TC9908: 1/3-inch 8 mm, f/1.2, fixed TC9903A: 1/2-inch 3.7 mm, f/1.6, fixed TC9906A: I/2-inch 6 mm, f/I.4, fixed TC9907A: 1/2-inch 7 mm, f/1.4, fixed TC9912A: 1/2-inch 12 mm, f/1.4, fixed TC9913A: 1/2-inch 12 mm, f/1.4, fixed TC9921A: 1/2-inch 3.8 mm, f/0.8, fixed TC9922A: 1/2-inch 6 mm, f/0.75, fixed TC9938: 1/3-inch 3.8-38 mm, f/1.2, 10X zoom TC9923A: 1/2-inch 12 mm, f/0.8, fixed TC99581: 1/3-inch 5.8-58 mm, f/1.2, 10X zoom TC9948A: 1/2-inch 8-48 mm, f/1.4, 6X zoom TC1848B1: 1/2-inch 8-48 mm, f/1.0, 6X zoom TC9970A: 1/2-inch 7.5-75 mm, f/1.4, 10X zoom

Suggested CS Mount Manual Iris and Fixed Lenses (1/3-inch cameras)

TC9702: 1/3-inch 2.8 mm, f/1.3 TC9704: 1/3-inch 4 mm, f/1.2 TC9708: 1/3-inch 8 mm, f/1.2 TC9702: 1/2-inch 12 mm, f/1.4

- I. Also applies to models with pre-position option denoted by a suffix "P".
- 2. Some models in the series have integral lenses.



Dimensional Outline

Philips Electronics N.V. Data subject to change without notice.



