

TC9380 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 TC9380 Series of environmental housings are attractive aluminum enclosures designed for outdoor CCD camera installations. Slim and compact, the TC9380 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

Model No.	Rated Input	Power Transformer ¹		Nominal Power ²
		Voltage Range	Voltage Output	
TC9383-1	115 VAC, 50/60 Hz	108 to 132	24 VAC, 50/60 Hz	30 W
TC9383-2	24 VAC, 50/60 Hz	21.6 to 26.4	24 VAC, 50/60 Hz	30 W
TC9383-2X ³	24 VAC, 50 Hz	21.6 to 26.4	24 VAC, 50 Hz	30 W
TC9383-4	230 VAC, 50/60 Hz	207 to 253	24 VAC, 50/60 Hz	30 W
TC9388-1	115 VAC, 50/60 Hz	108 to 132	24 VAC, 50/60 Hz	30 W
TC9388-2	24 VAC, 50/60 Hz	21.6 to 26.4	24 VAC, 50/60 Hz	30 W
TC9388-2X ³	24 VAC, 50 Hz	21.6 to 26.4	24 VAC, 50 Hz	30 W
TC9388-4	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:

TC9383:

Accepts BURLE cameras up to 64 W x 54 H mm (2.5 x 2.1 in), BURLE lenses up to 67 W x 75 H mm (2.6 x 2.9 in), and BURLE camera/lens combinations up to 252 mm L (9.9 in).

TC9388:

Accepts BURLE cameras up to 64 W x 54 H mm (2.5 x 2.1 in), BURLE lenses up to 67 W x 75 H mm (2.6 x 2.9 in), and BURLE 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: Off-white semigloss polyurethane.

Dimensions: See drawing.

TC9383: 449 L x 97 W x 112 H mm (17.7 x 3.8 x 4.4 in).

TC9388: 551 L x 97 W x 112 H mm (21.7 x 3.8 x 4.4 in).

Weights:

TC9383: 1.4 kg (3 lb).

TC9388: 1.8 kg (4 lb).



International Standards Organization
Registered Firm ISO 9001 Quality System



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.

Accessories

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

TC9383S: For TC9383 Series housings.

TC9388S: For TC9388 Series housings.

Tamper Resistant Kit: Includes screws and insertion tool to permit tamper-resistance for up to 10 housings.

TC9380TK: For TC9383 and TC9388 Series housings.

Suggested Applications

Camera Models	Suggested Lenses TC9383 Series	Suggested Lenses TC9388 Series
TC260 Series	—	Fixed, TC9948A, TC1848B ¹ , TC9970A
TC281 Series	—	Fixed, TC9948A, TC1848B ¹ , TC9970A
TC291 Series	—	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹ , TC9970A
TC350A Series	Fixed	Fixed, TC9948A, TC1848B ¹ , TC9970A
TC370 Series	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹ , TC9970A
TC551A, TC554AX	Fixed	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹ , TC9970A
TC552A, TC552AX	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹ , TC9970A
TC590 Series	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹	Fixed, TC9938, TC9948A, TC1848B ¹ , TC9958 ¹ , TC9970A
TC651B, TC652BT, TC654BX	Fixed	Fixed, TC9948A, TC1848B ¹ , TC9970A
TC652B, TC652BX	Fixed, TC9948A ¹ , TC1848B ¹	Fixed, TC9948A, TC1848B ¹ , TC9970A
TC952, TC952X	Fixed	Fixed
TC972, TC972X	Fixed	Fixed

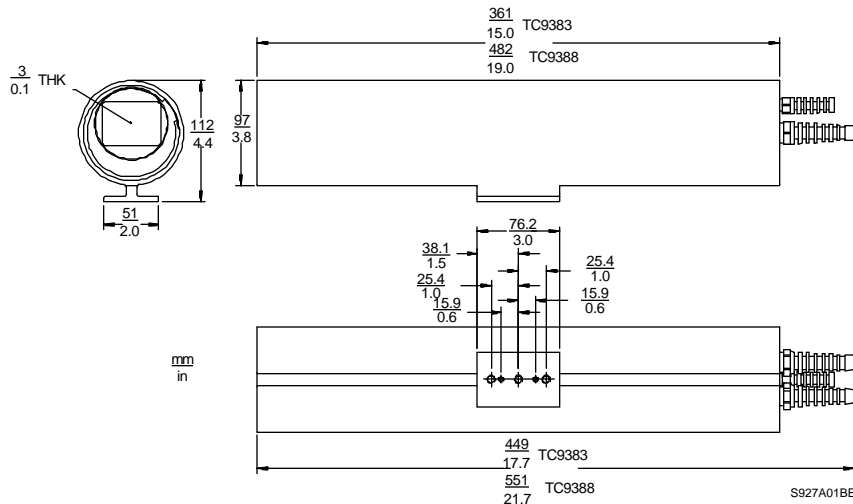
Suggested CS Mount Fixed Auto-Iris and Zoom Lenses (1/2-inch and 1/3-inch cameras, except TC952 and TC972 Series):

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: 1/2-inch 6 mm, f/1.4, 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	TC9923A: 1/2-inch 12 mm, f/0.8, fixed	TC9938: 1/3-inch 3.8-38 mm, f/1.2, 10X zoom
TC9958 ¹ : 1/3-inch 5.8-58 mm, f/1.2, 10X zoom	TC9948A: 1/2-inch 8-48 mm, f/1.4, 6X zoom	TC1848B ¹ : 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 TC9712: 1/2-inch 12 mm, f/1.4

1. Also applies to models with pre-position option denoted by a suffix "P".



UL Listed: -1 and -2 models; cUL Listed: -1 and -2 models; CE Mark: -2X and -4 models

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