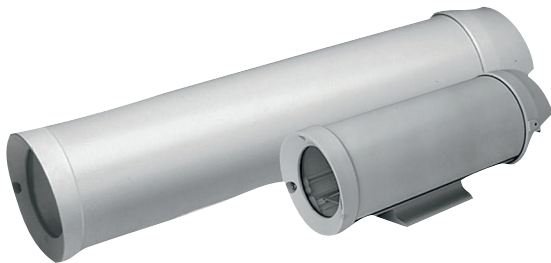


LTC 9480 and LTC 9488 Series Housings Outdoor

www.boschsecurity.com



BOSCH
Invented for life



- ▶ For 1/4-inch, 1/3-inch and 1/2-inch CCD Cameras
- ▶ Feed-through Wiring Option
- ▶ Aluminum and Advanced Polymer Construction
- ▶ Easy Installation
- ▶ Full Camera Accessibility

The LTC 948x Series Housings are smartly styled housings for outdoor use. These housings meet customers' demands for attractive housings that are both cost competitive and easy to install. They are available in multiple sizes to fit a wide range of cameras and lenses.

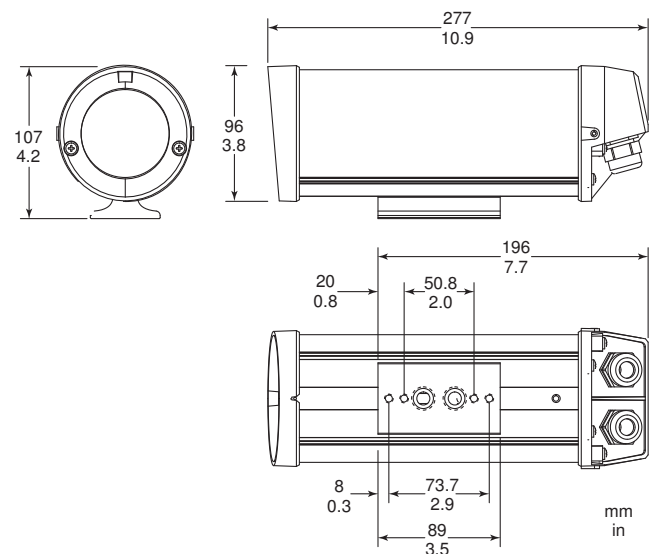
Functions

The design of these housings is unique. Removal of two captive screws is all that is necessary to slide off the cover and totally expose the camera and lens. This allows access to all camera and lens controls when the camera is in its mounted position. Power, video, and lens control cabling can be routed through liquid tight fittings in the bottom rear of the housing or can be routed through the mounting base. Feed-through mounts and J-mounts are available for these housings to completely hide the cabling.

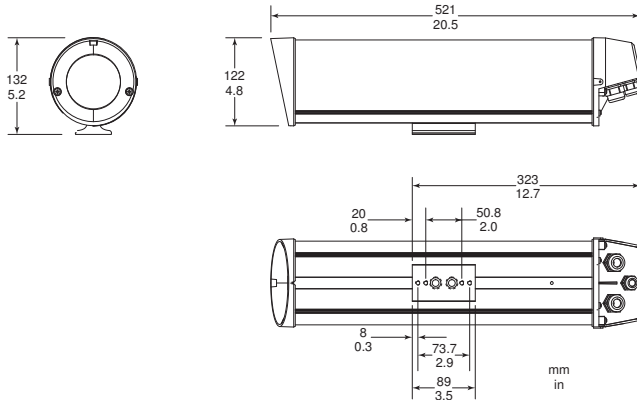
The base of the housings permits mounting to pan/tilts, adjustable heads, and various wall mounts. These sturdily constructed housings are available with a preinstalled heater or a preinstalled heater and blower. The heater maintains the internal temperature

of the housing in cold temperature conditions and the heater/blower combination minimizes fogging in high humidity locations and extends the temperature limits.

Installation/configuration notes



LTC 9480 Series



LTC 9488 Series

Technical specifications

Electrical

Model No.	Preinstalled Heater or Heater/Blower ¹⁾	Volt / Power	Camera Models with these Voltage Ratings
-----------	----------------------------------------------------	--------------	------------------------------------------

Outdoor Units

LTC 9480/xx ²⁾	-	-	24 VAC
LTC 9488/xx ²⁾	-	-	24 VAC 115 VAC 230 VAC

Outdoor Units

LTC 9480/20 ²⁾	Heater	24/15 V/W	24 VAC
LTC 9488/20	Heater	24/40 V/W	24 VAC
LTC 9488/21	Heater/Blower	24/42 V/W	24 VAC
LTC 9488/50	Heater	230/40 V/W	230 VAC
LTC 9488/60	Heater	115/40 V/W	115 VAC
LTC 9488/61	Heater/Blower	115/45 V/W	115 VAC

1. The heaters and blowers for all models operate at 50/60 Hz.

2. Available with wall-mount; add "MT" suffix.

Mechanical

Maximum Camera and Lens (W x H x L):

LTC 9480/20	68 x 58 x 197 mm (2.68 x 2.6 x 7.75 in.) ¹⁾
LTC 9488/20	71 x 71 x 356 mm (2.8 x 2.8 x 14.0 in.) ¹⁾
LTC 9488/50	71 x 71 x 356 mm (2.8 x 2.8 x 14.0 in.) ¹⁾
LTC 9488/60	71 x 71 x 356 mm (2.8 x 2.8 x 14.0 in.) ¹⁾
LTC 9488/21	71 x 71 x 318 mm (2.8 x 2.8 x 12.5 in.) ²⁾
LTC 9488/61	71 x 71 x 318 mm (2.8 x 2.8 x 12.5 in.) ²⁾

1. With Heater

2. With Heater and Blower

Cable Entry

LTC 9480 Series Outdoor Housing

Two (2) liquid tight rear fittings accept cable diameters from 4.3 mm to 11.9 mm (0.17 in. to 0.47 in.). Two (2) bottom feed-through liquid tight fittings accept cable diameters from 4.6 mm to 7.9 mm (0.18 in. to 0.31 in.).

LTC 9488 Series Outdoor Housing

Three (3) liquid tight rear fittings, two (2) of which accept cable diameters from 4.3 mm to 11.9 mm (0.17 in. to 0.47 in.) and one (1) that accepts cable diameters from 4.6 mm to 7.9 mm (0.18 in. to 0.31 in.). Two (2) bottom feed-through liquid tight fittings accept cable diameters from 4.6 mm to 7.9 mm (0.18 in. to 0.31 in.).

Window	3 mm (0.12 in.) thick UV-stabilized polycarbonate.
Housing Mounting	Four (4) available 1/4-20 tapped holes. Only one set of two is required for mounting.
Camera Mounting	Removable camera bracket. Mounted with two screws.
Construction	Aluminum cover, aluminum base, aluminum mounting foot, polycarbonate faceplate, glass reinforced polycarbonate end caps, neoprene gasket, ethylene propylene seal, and all stainless steel hardware.
Finish	Dark mushroom.
Dimensions	See drawings.
Weight (approx.)	LTC 9480 Series: 1.4 kg (3 lb) LTC 9488 Series: 3.2 kg (7 lb)

Environmental

Temperature	At external temperature of -40 °C to 50 °C (-40 °F to 122 °F), maintains internal temperatures between -20 °C and 55 °C (-4 °F to 131 °F) with heater/blower.
Salt Atmosphere	MIL-STD-810E, Method 509, Procedure 1.
Enclosure Protection	IP65, Designed to meet NEMA- 4

Electromagnetic Compatibility

Safety	UL, cUL, CE
--------	-------------

Accessories

Sunshield	Provides protection from the direct rays of sun and promotes cooling to reduce internal housing temperatures. Strongly recommended for housing that is to be used outdoors.
LTC 9083/01S	For LTC 9480 Series housings
LTC 9088/01	For LTC 9488 Series housings
LTC 9080/00 Tamper Resistant Kit	Includes ten 10 screws and insertion tool to permit tamper resistance for five (5) housings.

LTC9215/00 Mount	Feed-through mount attached to the foot of housing for LTC 9483, LTC 9484 and LTC 9488 Series housings.
LTC 9215/00S Mount	Feed-through mount attached to the foot of housing for LTC 9480 Series housings.
LTC 9219/01 J-mount	Feed-through J-mount allows housing to be mounted from ceiling.
LTC 9480/20 HTR Heater	15 W heater for LTC 9480/00.

Suggested Applications:

	LTC 9480	LTC 9488
Camera Model	Lens	Lens
LTC 0335	Fixed/Vari	Fixed/Vari/ Zoom
LTC 0355	Fixed/Vari	Fixed/Vari/ Zoom
LTC 0435	Fixed/Vari	Fixed/Vari/ Zoom
LTC 0455	Fixed/Vari	Fixed/Vari Zoom

Ordering information**LTC 9480/20 Outdoor Housing**

for camera/lens to 7-inch, 3-in dia, 24 VAC, 50/60 Hz, heater

Order number **LTC9480/20**

LTC 9488/20 Outdoor Housing

for camera/lens to 14-inch, 24 VAC, 50/60 Hz, heater

Order number **LTC9488/20**

LTC 9488/21 Outdoor Housing

for camera/lens to 13-inch, 24 VAC, 50/60 Hz, heater, blower

Order number **LTC9488/21**

LTC 9488/50 Outdoor Housing

for camera/lens to 14-inch, 230 VAC, 50 Hz, heater

Order number **LTC9488/50**

LTC 9488/60 Outdoor Housing

for camera/lens to 14-inch, 110 VAC, 60 Hz, heater

Order number **LTC9488/60**

LTC 9488/61 Outdoor Housing

for camera/lens to 13-inch, 120 VAC, 60 Hz, heater, blower

Order number **LTC9488/61**

Accessories**LTC 9219/01 Feed-through J-Mount**

for 15-inch, 9 kg (20 lb) max load, for LTC 938x and LTC 948x series housings, light gray finish

Order number **LTC 9219/01**

LTC 9215/00 Mount

Wall mount for LTC/HSG 948x, HSG9583 and UHI/UHO housings

Order number **LTC9215/00**

LTC 9215/00S Mount

Short wall mount for LTC/HSG 948x, HSG9583 and UHI/UHO housings

Order number **LTC9215/00S**

LTC 9083/01S Sunshield

for LTC 9480 series housings

Order number **LTC9083/01S**

LTC 9088/01 Sunshield

for LTC 9488 series housings

Order number **LTC9088/01**

LTC 9080/00 Tamper Kit

for LTC 9480 series housings, up to 5 housings

Order number **LTC9080/00**

LTC 9383/00 Sunshield

Order number **LTC9383/00**

LTC 9388/00 Sunshield

Order number **LTC9388/00**

TC1366 Sunshield

6.0 inch diafragm 22-26 inch housings

Order number **TC1366**

TC1366-21 Sunshield

6.0 inch diafragm 15 inch housings

Order number **TC1366-21**

Represented by:

Americas:

Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:

Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:

Robert Bosch (SEA) Pte Ltd, Security
Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:

Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road
North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:

Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
latam.boschsecurity@bosch.com
www.boschsecurity.com