

LTC 8561, 8564/20, 8566 Series

Single Channel On-site Receiver/Drivers



Security Systems

- Full Featured Pan/Tilt/Zoom/Aux Control
- Auto-pan/Random Pan
- Biphasic or RS-232 Data Input
- 99 Pre-positions with Tour Capability
- Pre-positions Compatible with 360° Continuous Pan/Tilt Drives
- Integral Local Test Feature

Formerly known
as Philips CSI



The LTC 8561 Series, LTC 8564/20, and LTC 8566 Series On-site Receiver/Drivers are control data decoder units and motor drivers for pan/tilt units and zoom lenses. These receiver/drivers are used in conjunction with Allegiant® Series Microprocessor-based Switcher/Controller Systems.

The receiver/driver decodes Allegiant biphasic control data from the switcher/controller system through the LTC 8568/00 Signal Distribution Units into specific control codes. In addition, the receiver/driver will accept RS-232 control code data generated by the LTC 8780 Series Data Converter Unit.

These receiver/drivers are available in a variety of input and output voltage configurations. All units are 50/60 Hz line frequency compatible. All units have low voltage DC lens drivers (6 volts or 12 volts selectable) for focus, zoom, and iris with adjustable speed. There are also four auxiliary outputs. One is a solid state relay with zero crossing switching fixed to the same voltage as the

pan/tilt output. The others are relays which can supply voltage through contacts (normally open or normally closed) to control lights or other devices at the remote site. Auxiliary supply terminals provide power which is fuse-protected at the voltage of the pan/tilt output.

Advanced features include 99 pre-positions when using conventional 355° pan/tilt drivers, 82 pre-positions when using 360° continuous pan/tilt drivers, installer friendly connectors, lockable enclosure latches, 10-bit resolution for improved pan/tilt pre-position accuracy, and automatic pre-position tour capability.

Additional features include a full operating temperature range, an integral local test function, an unrestricted auto-pan feature for all models of pan/tilts, random pan, a unique dither feature, selectable latching or momentary auxiliaries, polarity reversible lens drive, convenient thumbwheel selectable camera addressing, and a NEMA-4X, IP66 rated environmental enclosure.

Electrical

Model No.	Rated Voltage ¹	Voltage Range	Pan/Tilt, Aux 1, & Aux Supply
LTC 8561/60 ²	120 VAC, 50/60 Hz	100 to 130	120 VAC, 50/60 Hz
LTC 8566/60 ^{3,5}	120 VAC, 50/60 Hz	100 to 130	24 VAC, 50/60 Hz
LTC 8566/50 ^{4,5}	230 VAC, 50/60 Hz	198 to 264	24 VAC, 50/60 Hz
LTC 8561/50 ²	230 VAC, 50/60 Hz	198 to 264	230 VAC, 50/60 Hz
LTC 8564/20 ²	24 VAC, 50/60 Hz	20 to 28	24 VAC, 50/60 Hz

¹Power (all models): 15 W at rated voltage (not including pan/tilt).

²Fuse protected at 2.0 A.

³Fuse protected at 1.0 A.

⁴Fuse protected at 0.4 A.

⁵For the LTC 8566/60 and LTC 8566/50, the maximum total current output, including Pan/Tilt output, Auxiliary 1 output and Auxiliary Supply output, is 2.0 A.

Pan/Tilt Output 4 function pan/tilt solid state drive with zero crossing turn-on; 1.0 A drive capability

Lens Output

For Zoom, Focus, and Motorized Iris:

6 VDC or 12 VDC, 100 mA maximum

Variable Speed 6 VDC Setting:

4 VDC to 8 VDC

Variable Speed 12 VDC Setting:

8 VDC to 16 VDC

Auto-pan Auxiliary Output 1

Solid state drive with zero crossing turn-on; 1.0 A drive capability

Auxiliary Output 2, 3, and 4

Relay contact rating 250 VAC, 5.0 A resistive, 0.25 hp

Pre-positions

99 with 4 functions each for use with 355° pan/tilt drivers or 82 with 5 functions each for use with continuous pan/tilt drivers. Pan/tilt positions

sensed at 10-bit accuracy. Note that the maximum number of pre-positions available in the system is dependent on the type of control system

employed. Refer to the applicable controller specification for exact pre-position capabilities.

Mechanical

Size	295 H x 241 W x 165 D mm (11.6 x 9.5 x 6.5 in)
Weight	6.8 kg (15 lb)

Environmental

Temperature

Operating: -40° C to 60° C (-40° F to 140° F)

Storage: -40° C to 70° C (-40° F to 158° F)

Humidity 0% to 95% relative, noncondensing

Vibration 3 g swept sine wave, 15 Hz to 2000 Hz

Shock 50 g, 11 ms, 1/2 sine

Enclosure Protection NEMA-4X, IP66, Enclosure Type RJ 1008 HPL

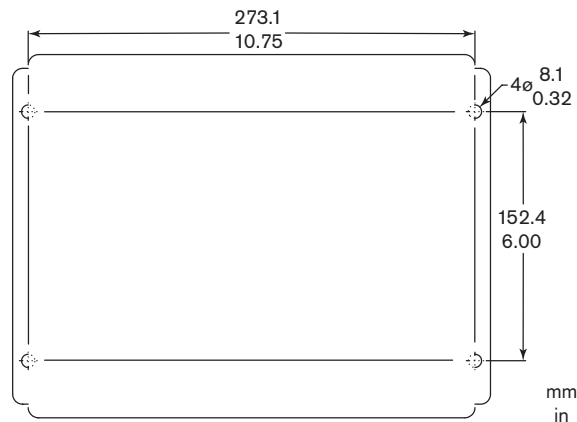
Product Regulatory Compliance

Electromagnetic Compatibility (EMC)

Complies with FCC Part 15, ICES-003, and CE regulations

Product Safety Complies with CE regulations, UL, CSA, EN, and IEC Standards

Mounting Hole Pattern



LTC 8564/20 AC Supply Wiring Guide

Wire Size	0.5 A Load		1.0 A Load		1.5 A Load		2.0 A Load	
	m	ft	m	ft	m	ft	m	ft
0.5 20	30	100	20	70	15	50	12	40
1.0 18	50	150	30	100	25	75	20	70
1.5 16	80	260	50	150	40	130	30	100
2.5 14	130	420	90	290	60	200	50	150
4.0 12	200	650	140	460	110	350	90	290

Table is based on a nominal 24 VAC source with a 10% drop in voltage due to cable loss.

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