

LTC 5133, LTC 5134 Series

Pan/Tilt Zoom Lens Controls

Joystick Pan/Tilt Controls



Security Systems

- Zoom, Focus, Iris Lens Controls
- Lens Speed Control
- Multiple Auto-pan Functions
- Space-saver Design
- Optional Rack Mounting



The LTC 5133 Series and LTC 5134 Series Pan/Tilt Zoom Lens Controls combine the functions of pan/tilt control and motorized zoom lens control in one complete unit. Models are available to control 24VAC, 50/60Hz or 120VAC, 50/60Hz pan/tilts, scanners, and 6VDC or 12VDC lenses.

An easily accessible front panel eight-position joystick provides pan/tilt movement - up, down, left, right, or simultaneous combinations of pan/tilt functions. An auto-pan feature is available and is activated by pressing the AUTOPAN switch, located on the front panel. Auto-pan may be deactivated by either pressing the

AUTOPAN switch or by operating the joystick left or right. The LTC 5133 Series offer two methods of auto-pan control - current sensing or hardware controlled. Each is switch-selectable from inside the unit. Selection is based upon the electronics of the pan/tilt or scanner being controlled. Lens control is handled by pushbutton rocker switches on the front panel which control zoom, focus, iris, and lens speed.

The LTC 5133 Series and LTC 5134 Series are supplied as desktop units, but can be rack mounted using the LTC 9101/00 Rack Mount Kit.

Electrical

Model	Rated	Voltage	Nominal	Pan/Tilt
No.	Voltage	Range	Power ¹	Output
LTC 5133/60 ²	120VAC, 50/60Hz	105 to 130	250W	120VAC, 50/60Hz
LTC 5134/60 ³	120VAC, 50/60Hz	105 to 130	60W	24VAC, 50/60Hz

¹At rated voltage. Includes maximum pan/tilt motor power.

²Fused for 2A at line voltage (See Relay Contact Ratings).

³2A at 24VAC total.

Lens Output	For zoom, focus, and motorized iris. 6VDC (4V to 8V) or 12 VDC (8V to 16V), 100mA maximum
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Controls	
ZOOM	In/Out double momentary pushbutton
FOCUS	Near/Far double momentary pushbutton
IRIS	Open/Close double momentary pushbutton
SLOW-FAST	Lens speed momentary pushbutton
AUTOPAN	Momentary pushbutton
Joystick	Eight-position for pan/tilt
Auto-Pan Method Switch	Internally selectable
Indicators	Red auto-pan on LED Red 5-step lens speed LEDs

Connectors	
Lens	15-pin AMP Mini-Universal MATE-N-LOK ¹
Pan/Tilt	6-pin AMP MATE-N-LOK ¹
¹ Trademark of AMP, Inc.	
Relay Contact Ratings	5A, 250VAC/30VDC (resistive) 3.5A, 250VAC/30VDC (inductive) 0.25HP, 125VAC/250VAC (motor load)

Mechanical

Construction	Steel chassis with sheet metal cover and plastic bezel
Finish	Charcoal
Dimensions	223W x 280D x 40H mm (8.77in x 11.0 x 1.59in)
Weight	LTC 5133/60 2.3kg (5lb) LTC 5134/60 3kg (6.5lb)

Environmental

Temperature	Operating: -18°C to +50°C (0°F to +122°F)
Humidity	10% to 80% relative, noncondensing

Product Regulatory Compliance

Electromagnetic Compatibility (EMC)	Complies with FCC Part 15 and ICES-003 regulations
Product Safety	Complies with UL and CSA Standards

Options

LTC 9101/00 Rack Kit	For mounting one or two units in an EIA 9-in rack
Height	1 standard rack unit
Width	1 standard rack unit

Wiring Guides

Lens Wiring				
Wire Size (AWG)	12 Volt Lens		6 Volt Lens	
	Approx. Distance (Meters)	Approx. Distance (Feet)	Approx. Distance (Meters)	Approx. Distance (Feet)
22	200	700	100	350
20	350	1175	175	575
18	570	1875	280	925
16	900	3000	450	1500
14	1450	4800	730	2400

NOTE: This wiring guide is based on 100mA motor load. It is assumed that the lens motor being used can operate with a 20% drop in voltage over nominal rated voltage and that separate returns are supplied for each of the lens motors.

Pan/Tilt Wiring				
Model	Wire Size (AWG)	Approx. Distance		Application ¹
No.	(AWG)	(Meters)	(Feet)	
LTC 5133/60	20	230	750	0.75A, 115VAC,
	18	350	1200	Heavy duty motor
	16	575	1900	
	14	925	3000	
LTC 5134/60	18	50	150	1.0A, 24VAC,

¹Current values are per motor.

NOTE: This wiring guide assumes that the pan/tilt motor being used can operate with a 10% drop in voltage over nominal rated voltage and that separate returns are supplied for the pan/tilt motors.

Metric Equivalence			
Wire Size (AWG)	Metric Size (mm ²)	Wire Size (AWG)	Metric Size (mm ²)
22	0.5	16	1.5
20	0.5	14	2.5
18	1	12	4

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