

LTC 512I Series, LTC 514I Series 2- and 4-Position Economical Sequential Switchers

- n **Automatic Sequencing & Adjustable Dwell**
- n **Vertical Interval Switching**
- n **Instant Homing and Automatic Skip**
- n **LED Indicators**
- n **Optional Rack Mounting**
- n **Color Compatible**



The LTC 512I Series and LTC 514I Series are automatic sequential video switchers. The LTC 512I Series have 2-camera inputs and 1-monitor output; the LTC 514I Series have 4-camera inputs and 1-monitor output. The LTC 512I/60 and LTC 514I/60 operate from 120 VAC, 50/60 Hz; the LTC 512I/50 and LTC 514I/50 operate from 220-240 VAC, 50/60 Hz.

These switchers feature automatic sequencing, adjustable dwell time,

vertical interval switching, instant homing, camera indicators, and automatic skip. These units will automatically sequence from camera to camera; dwell time is adjustable from 2 to 45 seconds. Vertical interval switching is provided to reduce picture distortion during automatic sequencing. Any camera can instantly be called up using the camera selection buttons. Camera indicators are provided to indicate the currently selected camera. When camera inputs

3 or 4 are not used on the LTC 514I Series, the unused camera input(s) will automatically be skipped during automatic sequencing.

Simple front panel controls include RUN and camera-select pushbuttons for easy operation. An adjustable DWELL control is provided on the back panel. Supplied as compact desktop units, these switchers can also be mounted with a rack-mount kit.

SPECIFICATIONS

Electrical

Model No.	Rated Motor Voltage And Voltage Range	Power at Rated Voltage
LTC 5121/60	120 VAC, 50/60 Hz, 105 to 130	4 W
LTC 5121/50	230 VAC, 50/60 Hz, 198 to 204	4 W
LTC 5141/60	120 VAC, 50/60 Hz, 105 to 130	4 W
LTC 5141/50	230 VAC, 50/60 Hz, 198 to 204	4 W

Synchronization:

LTC 5121/60, LTC 5141/60: 525 line, 60 Hz. EIA, NTSC system compatible.

LTC 5121/50, LTC 5141/50: 625 line, 50 Hz. CCIR, PAL system compatible.

Dwell Range: Approximately 2 seconds to 45 seconds.

Video Gain: Unity.

Bandwidth (-3 dB point): 12 MHz minimum.

Differential Gain: Less than 0.5%.

Differential Phase: Less than 1.5°.

Video Crosstalk (Input to input isolation): 45 dB typical at 3.58 MHz.

Video Feedthrough (Input to output isolation): -42 dB typical at 3.58 MHz.

Controls:

Momentary RUN pushbutton.

Momentary pushbuttons for each camera selection.

DWELL potentiometer on rear panel.

Indicators:

Green RUN LED indicates automatic sequencing mode.

Green LEDs indicate each camera input.

Connectors:

Video Inputs:

Signal Input Range: 0.5 V_{p-p} to 2 V_{p-p}. 75 ohm.

LTC 5121 Series: 2; BNC.

LTC 5141 Series: 4; BNC.

Video Outputs: 1; BNC, 75 ohm.

MECHANICAL

Finish: Charcoal.

Dimensions:

Height: 1 standard rack unit; width: 1/2 standard rack unit.

223 W x 280 D x 40 H mm (8.77 x 11.0 x 1.59 in).

Weight: 2 kg (4.5 lb).

ENVIRONMENTAL

Temperature:

Operating: -18 °C to +50 °C (0 °F to +122 °F).

Storage: -40 °C to +60 °C (-40 °F to +140 °F).

Humidity: 10% to 80% relative, noncondensing.

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

Shock: 50 g, 11 ms, 1/2 sine.

Humidity: 10% to 80% relative, noncondensing.

Electromagnetic Compatibility

EMC Requirements: CE Immunity, CE Emission Class B, FCC Class B, ICES-003.

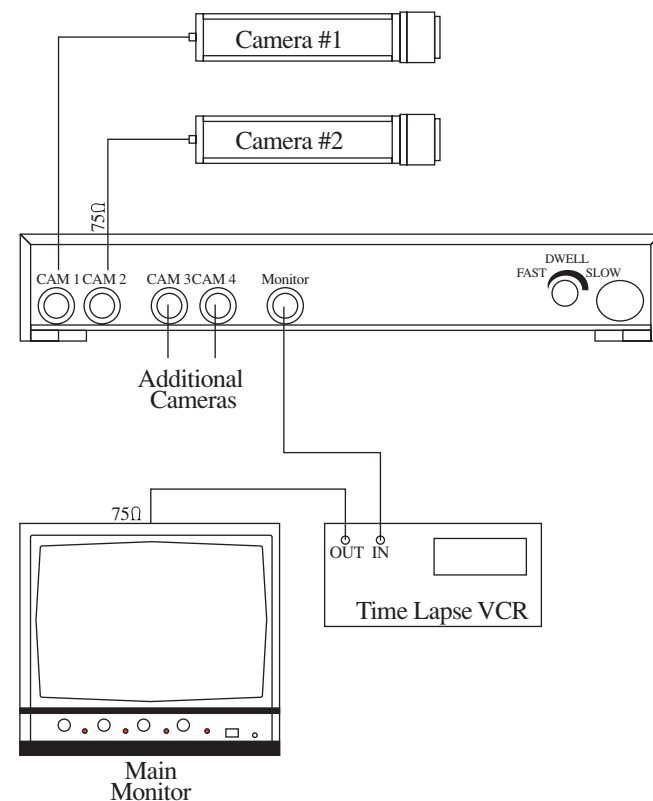
Safety: CE, UL, cUL.

Options

LTC 9101/00 Rack Kit: For mounting one or two units in an EIA 19-inch rack.

Height: 1 standard rack unit.

Width: 1 standard rack unit.



Typical Installation



PHILIPS

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