


BOSCH

Invented for life

LTC 51x1 Series 2- and 4- position Economical Sequential Switchers



- ▶ Automatic sequencing and adjustable dwell
- ▶ Vertical interval switching
- ▶ Instant homing and automatic skip
- ▶ LED indicators
- ▶ Optional rack mounting
- ▶ Color compatible

The LTC 5121 Series and LTC 5141 Series are automatic sequential video switchers. The LTC 5121 Series have 2-camera inputs and 1-monitor output; the LTC 5141 Series have 4-camera inputs and 1-monitor output. The LTC 5121/60 and the LTC 5141/60 operate from 120 VAC, 50/60 Hz; the LTC 5121/50 and the LTC 5141/50 operate from 220–240 VAC, 50/60 Hz.

Functions

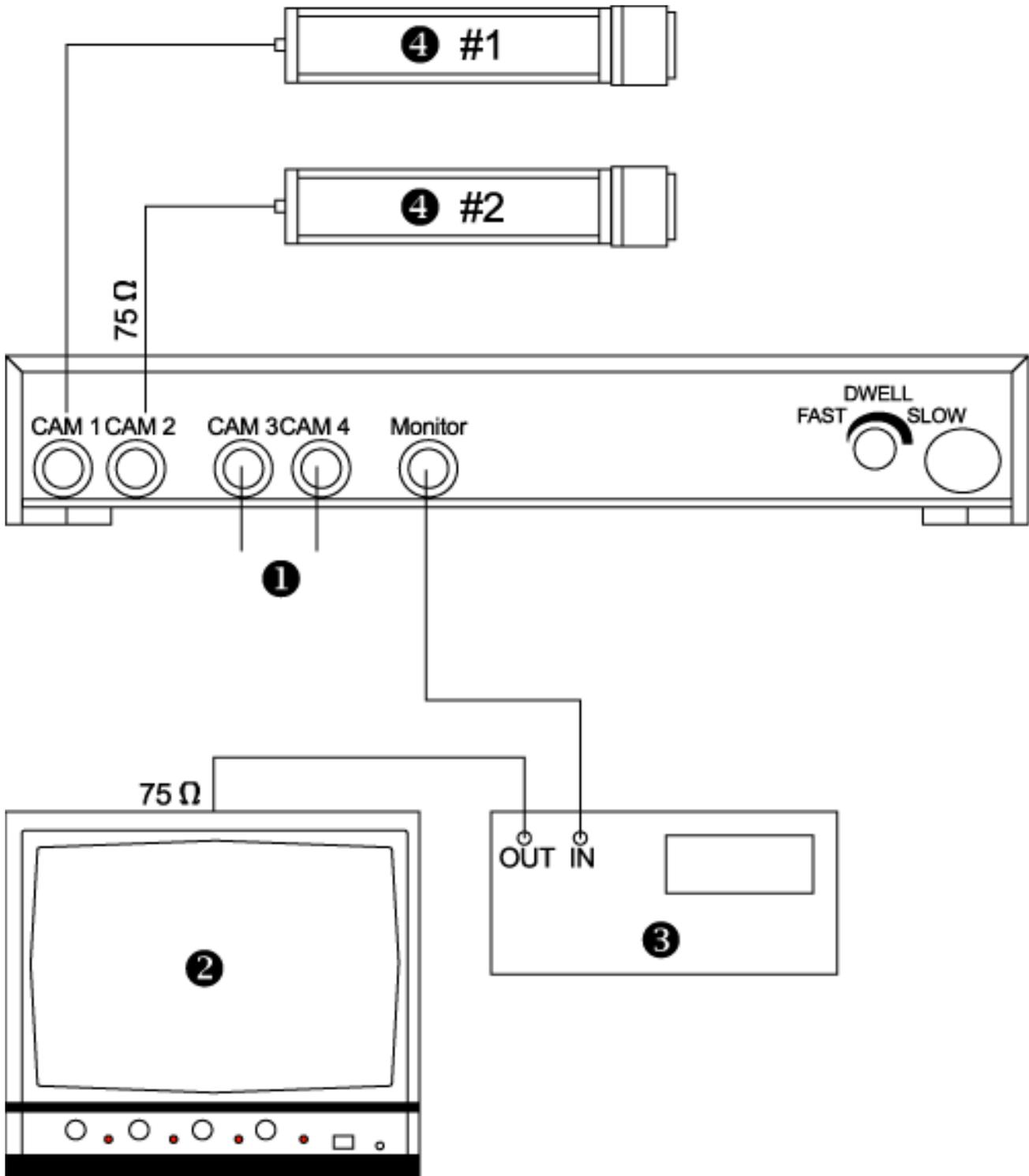
These switchers feature automatic sequencing, adjustable dwell time, vertical interval switching, instant homing, camera indicators, and automatic skip. These units automatically sequence from camera to camera; dwell time is adjustable from 2 to 45 seconds. Vertical interval switching is provided to 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 5141 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.

Certifications and Approvals

Electromagnetic Compatibility	EMC Requirements: CE Immunity, CE Emission Class B, FCC Class B, ICES-003
Safety	CE, UL, cUL

Installation/Configuration Notes



Typical Installation

- 1 Additional Cameras
- 2 Main Monitor

- 3 Time Lapse VCR
- 4 Camera

Technical Specifications

Electrical

Model No.	Rated Motor Voltage	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 Feed-through (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 Vp-p to 2 Vp-p, 75 Ohm
LTC 5121 Series	Two (2), BNC
LTC 5141 Series	Four (4), BNC.
Video Outputs	One (1), BNC, 75 Ohm

Mechanical

Finish	Charcoal
Dimensions (W x D x H)	223 x 280 x 40 mm (8.77 x 11.0 x 1.59 in.)
Height	One (1) standard rack unit
width	1/2 standard rack unit
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, non-condensing
Vibration	3 g swept sine wave, 15 Hz to 2000 Hz
Shock	50 g, 11 ms, 1/2 sine
Humidity	10% to 80% relative, non-condensing

Options

LTC 9101/00 Rack Kit	For mounting one or two units in an EIA 48 cm (19 in.) rack
Height	One (1) standard rack unit
Width	One (1) standard rack unit

Ordering Information

LTC 5121/50 2-position Economical Sequential Switchers 2 camera input, 1 monitor output, 230 VAC, 50 Hz	896051215001
LTC 5121/60 2-position Economical Sequential Switchers 2 camera input, 1 monitor output, 115 VAC, 60 Hz	896051216001
LTC 5141/50 4-position Economical Sequential Switchers 4 camera input, 1 monitor output, 230 VAC, 50 Hz	896051415001
LTC 5141/60 4-position Economical Sequential Switchers 4 camera input, 1 monitor output, 115 VAC, 60 Hz	896051416001

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