BOSCH
Invented for life

LTC 2810/91 10-inch Color Video Monitor

► 25 cm (10 in.) Screen size
► Provides 300 TV lines of resolution
► Auto-sensing of PAL and NTSC signals
► Selectable composite video and Y/C inputs
► Auto-termination
► Audio capability
► Wide range power supply
► Compact, space-saving design
► Optional rack-mounting

The LTCv2810/91 is a standard resolution color monitor with a 23.6 cm (9.3 in.) viewable picture area and multi-standard compatibility. With a built-in loudspeaker and inputs able to accept NSTC and PAL standards, the LTC 2810/91 Monitor offers maximum flexibility for a wide variety of applications.

This monitor incorporates a 25 cm (10 in.) diagonally measured display tube with a stripe pitch of 0.63 mm (0.024 in.), which delivers standard color reproduction and picture clarity with 300 TV lines of horizontal resolution.

The LTC 2810/91 includes two loop-through composite video inputs, using BNC connectors with auto-termination, and one set of loop-through Y/C connectors for S-video signals. The monitor also features an auto-detect function to identify NTSC or PAL input signals, and automatically switch mode accordingly. A universal power supply is included to handle a wide range of power sources.

Monitor adjustments are made via the front controls. Using these controls, selections and adjustments can be made to monitor functions such as contrast, brightness, color, and tint. The loudspeaker volume is also adjustable, and is conveniently located on the front panel.

The LTC 2810/91 Monitor is housed in a compact, space-saving metal cabinet for rugged reliability. It may be

rack-mounted in a standard EIA rack using the optional rack-mount kit.

Certifications and Approvals

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 Complies with DHHS Rules 21 CFR

Technical Specifications

Electrical

Rated Voltage	120/230 VAC, 50/60 Hz
Voltage Range	100 to 240 VAC
Power	55 W
Sync Format	PAL/NTSC
Display Tube	25 cm (10 in.) measured diagonally
	90° deflection angle, stripe pitch 0.63 mm, in-line guns, integral implosion protection
Viewable Picture	23.6 cm (9.3 in.) measured diagonally
Linearity	
Horizontal	Within +5%
Vertical	Within +5%
Horizontal Resolution	250 TVL minimum, 300 TVL typical
Video Input	
Composite Video	1.0 Vp-p, sync negative automatic switching from 75 Ohm unbalanced termination to Hi-Z with looped through operation
Y/C (S-video)	1.0 Vp-p (Y), 0.3 Vp-p (C); manual switching from 75 Ohm unbalanced to Hi-Z with loop-through operation via the impedance switch
Audio Input	
Line Level	300 mV
Impedance	47 kOhm
Audio Output	
Loop-through line level, monaural	
Speaker	1.0 W
Controls	
Front Panel	Volume, Contrast, Brightness, Color, Tint (NTSC only), Video Selector Switches (A/B, Y/C), Power On/Off
Rear Panel	Y/C impedance switch
Indicators	
LED's	Three (3) green; indicate Video A, Video B and Y/C (S-video) when power is on
Connectors	
Power Input Socket	
Video A	Composite Video: Two (2) BNC (1 in, 1 out)
Video B	Composite Video: Two (2) BNC (1 in, 1 out)
Audio A	Two (2) RCA phono jacks (1 in, 1 out)
Audio B	Two (2) RCA phono jacks (1 in, 1 out)
Y/C (S-video)	Two (2) Mini-DIN 4-pin (1 in, 1 out)
Power Cord	Two (2), 3-wire with grounded plug, 1.8 m (6 ft) long. One (1) with a European/Continental plug type and one (1) with a U.S. plug type

Mechanical

Cabinet	Material: Steel with plastic front
Finish	Charcoal
Dimensions (W x H x D)	260 x 245 x 332 mm (10.2 x 9.7 x 13.1 in.)
Weight	7.8 kg (17.1 lb)

Environmental

Temperature Operating	0℃ to 40℃ (32℉ to 104℉)
Temperature Storage	−10℃ to 50℃ (14℉ to 122℉)
Humidity	10% to 90% relative, non-condensing

Ordering Information

LTC 2810/91 10-inch Color Video Monitor 25 cm (10 in.), PAL/NTSC, 300 TVL with audio, 120/230 VAC, 50/60 Hz	8960 281 09101

Hardware Accessories

LTC 9110/00 Rack Kit for one (1) LTC 2810, 31.12 cm (12.25 in.) high	8960 911 00001