

LTC 2821/91 Color Video Monitor

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Invented for life



- ▶ 53 cm (21 in.) Screen size
- ▶ Provides 550 TV lines of resolution
- ▶ Auto-sensing of NTSC and PAL signals
- ▶ Two loop-through composite video and audio inputs
- ▶ On-screen display (OSD) for setup and adjustment

The LTC 2821/91 is a high resolution, high performance color video display monitor, with a 51 cm (20 in.) viewable picture area and multi-standard compatibility. With a built-in loudspeaker and inputs able to accept NTSC and PAL standards, the LTC 2821/91 monitor offers maximum flexibility for a wide variety of applications. The monitor incorporates a 53 cm (21 in.), measured diagonally, flat display tube, with a stripe pitch of 0.74 mm (0.029 in.). It delivers outstanding color reproduction and picture clarity, with more than 500 TV lines of horizontal resolution.

Functions

Designed for the CCTV security marketplace, the LTC 2821/91 monitor includes two sets of composite video inputs, and two audio inputs. Each of these video and audio inputs has passive loop-through outputs that provide auto-termination. Monitor adjustments are made via front panel controls. Selections and adjustments can be made to monitor functions such as picture sharpness, tint, color, brightness, and contrast. An on-screen display provides feedback information of the selected settings.

The monitor also features an auto-sensing function, which identifies input signals as either NTSC or PAL, and automatically switches mode accordingly. It also provides a no input on-screen indication in the event of loss of video signal. Additionally, the versatile design accepts a wide range of power sources, and is housed in a compact, space-saving metal cabinet for rugged reliability.

Certifications and Approvals

Electromagnetic Compatibility (EMC)

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

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

Power at Rated Voltage	90 W	
Sync Format	PAL/NTSC	
Display Tube	Flat square, 53 cm (21 in.), measured diagonally, 90° deflection stripe pitch 0.74 mm (0.029 in.), in-line guns, integral implosion protection	
Viewable Picture Area	51 cm (20 in.) measured diagonally	
Linearity	Horizontal	3% typical
	Vertical	3% typical
Horizontal Res.	500 TVL (minimum)	
	550 TVL (typical)	

Video Inputs

Composite Video	1.0 Vp-p, sync negative passive loop-through video signal output terminal (auto-termination)	
Audio Input	500 mV line level, 47 kOhm, Hi-Z	
Audio Output	Loop-through line level, 1.5 W speaker	
Controls (Front Panel)	VCR, Sharpness, Tint (NTSC only), Color, Brightness, Contrast, Volume, Data (2), Video, Power	

Indicators

Front Panel LED	One (1); video A (red), video B (green), VCR (orange)	
On-screen Display	Adjustment level, video input selection, loss of video signal	

Mechanical**Connectors**

Video A	Composite video: two (2) BNC (1 in, 1 out)	
Video B	Composite video: two (2) BNC (1 in, 1 out)	
VCR IN	Composite video: one (1) BNC	
Audio A	Two (2) RCA phono jacks (1 in, 1 out)	
Audio B	Two (2) RCA phono jacks (1 in, 1 out)	
Audio In (VCR)	One (1) RCA phono jack	
Power Cord	Two (2) detachable, 3-wire IEC connectors with a grounded plug, 1.83 m (6 ft) long; one (1) with a European/Continental plug type and one (1) with a U.S. plug type	

Cabinet

Material	Steel with plastic front	
Finish	Charcoal	

Dimensions (W x D x H)	490 x 482 x 444 mm (19.3 x 19.0 x 17.5 in.)
Weight	26.3 kg (58 lb)

Environmental

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	–25°C to 50°C (13°F to 122°F)
Humidity	20%–80%, non-condensing

Ordering Information**LTC 2821/91 Color Video Monitor**

53 cm (21 in.), PAL/NTSC, 550 TVL with audio, 120/230 VAC, 50/60 Hz
Order number **LTC 2821/91**

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