

# LTC 2821/91 Color Video Monitor

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- ▶ 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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