



LTC 2821/91 Color Video Monitor



- ▶ 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
- ▶ Wide range power supply

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

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| LTC 2821/91 Color Video Monitor | 896028219101 |
| 53 cm (21 in.), PAL/NTSC, 550 TVL with audio, 120/230 VAC, 50/60 Hz | |

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