

LTC 2810/90 Color Video Monitor

- **Multi-standard compatibility**
- **Two composite video inputs**
- **Auto-termination**
- **Built-in loudspeaker**
- **Compact, space-saving design**
- **On-Screen-Display**
- **Wide range power supply**
- **Optional Rack Mounting**



The LTC 2810/90 is a standard-resolution color monitor with a 23 cm (9-inch) viewable picture area and multi-standard compatibility. With a built-in loudspeaker and inputs able to accept NTSC and PAL standards, the LTC 2810/90 monitor offer maximum flexibility for a wide variety of applications.

The monitor incorporates a 10-inch (diagonally measured) display tube with a stripe pitch of 0.63 mm (0.024 inch), which delivers standard color reproduction and picture clarity with more than 280 TV lines of horizontal resolution.

The LTC 2810/90 has two sets of composite input terminals for video signals. Each of these terminals have auto-termination and can have bridged outputs. The monitor also features an auto-detect function, which identifies whether input signals are NTSC or PAL and automatically switches mode accordingly.

Monitor adjustments are made via the front control buttons together with the Volume (Data) control buttons. An "On-Screen-Display" provides feedback information of the selected settings.

From these buttons, selections and adjustments can be made to monitor functions such as picture sharpness, tint, color, brightness and contrast.

The loudspeaker volume, is also adjustable with push-button switches arranged conveniently on the front panel for easy access.

The LTC 2810/90 monitor is housed in a compact, space-saving metal cabinet for rugged reliability.

SPECIFICATIONS

Electrical

| Model No. | Rated Voltage | Voltage Range | Power at Rated Voltage | Sync Format |
|-------------|----------------------------------|--------------------------|------------------------|-------------|
| LTC 2810/90 | 230 VAC, 50 Hz 120 VAC, 60 Hz | 207 to 253 108 to 132 | 50W 50W | PAL NTSC |

Display tube: 25cm (10 in) measure diagonally, 90° deflection stripe pitch 0.63 mm, in line guns, integral implosion protection.

Viewable picture area: 23 cm (9 in) measured diagonally.

Linearity:

Horizontal: Within $\pm 7\%$.

Vertical: Within $\pm 7\%$.

Horizontal resolution: 280 TV lines.

Video Input:

Composite video: 0.5 to 2.0 Vpp, sync negative. Automatic switching from 75 Ω unbalanced termination to Hi-Z with looped through operation.

Audio input:

Line level: 300 mV.

Impedance: 47 k Ω .

Audio output:

Loop through line level.

Speaker: 0.8 W.

Controls:

Front panel:

Sharp.

Tint.

Color.

Brightness.

Contrast.

Volume.

Video input selection switch.

Power On/Off.

Connectors:

Power input socket.

Composite video A: 2 BNC.

Composite video B: 2 BNC.

Input/output audio terminals: 4 RCA phono jacks.

Power cord:

1.83 m (6 ft) with European Continental type.

1.83 m (6 ft) with plug US type.

Mechanical

Cabinet:

Material: Steel with plastic front.

Finish: Charcoal.

Dimensions: 265 W x 330 D x 260 H mm (10.4 x 13 x 10.2 in)

Weight: 6.5 kg (14.3 lb).

Environmental

Temperature:

Operating: 0°C to +40°C (+32°F to +104°F).

Storage: -25°C to +50°C (-13°F to +122°F).

Humidity: 20% to 80% relative, noncondensing.

Electromagnetic Compatibility

EMC Requirements:

Immunity: EN50082-1 1992.

Emission: EN50022 1987.

FCC Part 15, Class A.

Product complies with DHHS Rules 21 CFR applicable at the date of manufacture.

Safety:

CE, LVD Requirements: EN60065 1993.

UL: UL 1410.

cUL: CSA 22.2, No. 1.

Accessories

LTC 9110/00 Rack Kit: For mounting one monitor in an EIA 19-inch rack. One rack unit wide by seven rack units high.

