LTC 2910/90
Color Video Monitor

- **23 cm (9-inch) Screen Size**

- **350 TVL Resolution**

- **Auto-sensing of PAL and NTSC Signals**

- **Wide Range Power Supply**

- **Front Panel Controls**

- **Metal Case Minimizes Interference**

- **Audio Capability**

- **Optional Rack Mounting**

The LTC 2910/90 is a standard resolution color display monitor designed for a variety of CCTV surveillance applications including industrial, educational, and medical installations where clear, high quality images and proven system reliability are required.

This monitor incorporates a 23 cm/ 9-inch (measured diagonally) CRT which delivers excellent color reproduction and picture clarity with more than 350 TV lines of resolution.

The LTC 2910/90 includes two loop-through composite video inputs, using auto-terminating BNC connectors, and RCA phone jacks for single line level audio. Video inputs are selected via a front panel slide switch. Additional front panel controls allow for adjustment of volume, sharpness, brightness, contrast, color, and tint.

The LTC 2910/90 features an auto-sensing function which automatically identifies whether input signals are PAL or NTSC. It also includes a universal power supply to handle a wide range of power sources.

Housed in a compact, space-saving metal cabinet, the LTC 2910/90 can be rack mounted in a 19-inch standard EIA rack using the optional TC210AMK Rack Mount Kit. This kit allows for two units to be rack mounted side-by-side. When only one monitor is rack mounted, a blanking panel is included to cover the unused opening.

PHILIPS

SPECIFICATIONS

Electrical

Model No.	Rated Voltage	Voltage Range	Power at Rated Voltage	Sync Format
LTC 2910/90	120/230 VAC, 50/60 Hz	90 to 264	45 W	PAL/NTSC

Display Tube: 23 cm (9-in) measured diagonally, 90° deflection, tri-dot pitch 0.50 mm, in-line guns, integral implosion protection.

Viewable Picture Area: 22.3 cm (8.8-in), measured diagonally.

Linearity:
Horizontal: 7%.
Vertical: 7%.

Horizontal Resolution: 300 TV lines (minimum); 350 TV lines (typical).

Video Input:
Composite Video: 0.3 to 1.5 Vp-p, sync negative. Automatic switching from 75 Ω unbalanced termination to Hi-Z with loop-through operation.

Audio Input: 1 V line level.

Audio Output: Loop-through line level, 1 W speaker.

Controls (Front Panel):
Volume.
Sharpness.
Brightness.
Contrast.
Color.
Tint (NTSC only).
Video input A/B selector switch.
Power: On/off switch.

Indicators (Front Panel): Power on LED.

Connectors:
Video A:
    Composite Video: 2 BNC, one in, one out, auto-terminating.
Video B:
    Composite Video: 2 BNC, one in, one out, auto-terminating.
Audio: 2 RCA phono jacks, one in, one out.
Power Cord: Two detachable, 3-wire IEC connector with grounded plug, 1.5 m (5 ft) long; one with European Continental and one with US plug types.

Mechanical

Cabinet:
Material: Steel with plastic front.
Finish: Charcoal.

Dimensions: 222 W x 303 D x 227.5 H mm (8.75 x 11.9 x 8.9 in).

Weight: 6.8 kg (14.9 lb).

Environmental

Temperature:
Operating: 0°C to 40°C (32°F to 104°F).
Storage: −10°C to 50°C (14°F to 122°F).

Humidity: 10%−90%, noncondensing.

Agency Certifications

EMC:
Immunity: EN50130-4 1998.
Emission: EN50081-1 1992, FCC Part 15, Class B.

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

Safety:
CE, LVD requirement: EN60950 1992.
ETL: ANSI/UL1950.
cETL: CAN/CSA_C22.2, No. 950.

Accessories

TC210AMK Rack Kit: For mounting one or two LTC 2910/90 monitors in a 19-inch standard EIA rack. One rack unit wide by 6 rack units high.

PHILIPS

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