



## LTC 2814/90 Color Video Monitor



- ▶ 34 cm (13.4 in.) Viewable picture area
- ▶ PAL and NTSC formats with composite video and Y/C signal inputs
- ▶ Automatic termination
- ▶ Metal case minimizes interference
- ▶ Audio capabilities
- ▶ Wide range power supply
- ▶ Optional rack mounting
- ▶ Ease of installation and operation

The LTC 2814/90 color monitor offers a cost effective option for CCTV applications. The monitor is housed in an attractive styled case with convenient front controls and recessed handle and can be used as a desktop unit or can be rack mounted with a design-matched, easy-to-assemble rackmount kit.

### Functions

The monitor needs only to be connected to the main power supply and have a standard color video signal applied to the input connector for a color image to be produced. Apart from the power on/off switch and LED indicator, there is a range of controls that allow color picture optimization.

Range of application, the monitor features an auto-detect function which identifies whether input signals are PAL or NTSC and automatically switches mode accordingly. The monitor accepts either two composite video inputs via BNC connectors or one Y/C input via a four-pole connector on the rear panel. BNC output connectors allow loop-through connection to a second monitor or video recorder. The impedance is automatically set to 75 Ohms by the input signal. For the two CVBS video inputs, a selection switch allows display of the video A or B input signal. An additional switch enables selection of CVBS or Y/C input. Sharp, stable

pictures and an enhanced display tube make the LTC 2814/90 monitor the professional's choice. Enhancement of picture quality is provided by front panel controls for sharpness, contrast, brightness, color, and tint (NTSC). Audio connectors are provided at the rear for those applications where audio can be used, with a volume control for adjustment to the appropriate audio level.

### Certifications and Approvals

|                                     |  |
|-------------------------------------|--|
| Electromagnetic Compatibility (EMC) | Complies with FCC Part 15, ICES-003, and CE regulations                                      |
| Product Safety                      | Complies with CE regulations, UL, CSA, EN, and IEC Standards Complies with DHHS Rules 21 CFR |

## Technical Specifications

### Electrical

|                               |  |     |
|-------------------------------|--|-----|
| <b>Rated Voltage</b>          | 120/230 VAC, 50/60 Hz  |     |
| <b>Voltage Range</b>          | 100 to 240   |     |
| <b>Power at Rated Voltage</b> | 70 W   |     |
| <b>Sync Format</b>            | PAL/ NTSC  |     |
| <b>Display Tube</b>           | 35 cm (14 in.), measured diagonally, 90° deflection stripe pitch 0.66 mm, in-line guns, integral implosion protection.                                     |     |
| <b>Viewable Picture Area</b>  | 34 cm (13.4 in.), measured diagonally  |     |
| <b>Linearity</b>              | Horizontal   | 10% |
|                               | Vertical   | 10% |
| <b>Horizontal Res.</b>        | 350 TV lines (CVBS)  |     |
| <b>Video Inputs</b>           |  |     |
| Composite Video               | 0.5 to 1.5 V <sub>p-p</sub> , sync negative. Automatic switching from 75 Ohm unbalanced termination to Hi-Z with looped-through operation                  |     |
| Y/C                           | Impedance: 75 Ohm unbalanced   |     |
|                               | Y signal: 0.7 V <sub>p-p</sub>   |     |
|                               | C signal: 0.3 V <sub>p-p</sub>   |     |
| <b>Audio Input</b>            | Line level: 300 mV, Impedance: 47 kOhm   |     |
| <b>Audio Output</b>           | Loop-through line level, Speaker: 1 W  |     |
| <b>Controls (Front Panel)</b> | Volume, Sharpness, Contrast, Brightness, Color, Tint (applicable to NTSC only), Composite Video-A,B/Y/C switch, Video Input Selection switch, Power On/Off |     |
| (Rear panel)                  | Y/C impedance switch   |     |

### Mechanical

#### Connectors

|                 |   |
|-----------------|---|
| Composite Video | Four (4) BNC (2 in, 2 out); Y/C Video: two (2) mini-DIN   |
| Audio           | Four (4) RCA phono jacks (2 in, 2 out)  |
| Power Cord      | Two (2), 3-wire with grounded plug; 1.5 m (5 ft). One (1) with a European/Continental plug type and one (1) with a U.S. plug type |

#### Cabinet

|                               |   |
|-------------------------------|---|
| <b>Material</b>               | Steel with plastic front                  |
| <b>Finish</b>                 | Charcoal                                  |
| <b>Dimensions (W x D x H)</b> | 353 x 390 x 330 mm (13.9 x 15.4 x 13 in.) |
| <b>Weight</b>                 | 14 kg (30.9 lb)                           |

## Environmental

|                        |                               |
|------------------------|-------------------------------|
| <b>Operating Temp.</b> | 0°C to 40°C (32°F to 104°F)   |
| <b>Storage Temp.</b>   | -10°C to 50°C (14°F to 122°F) |
| <b>Humidity</b>        | 90% relative, non-condensing  |

## Ordering Information

|  |              |
|--|--------------|
| LTC 2814/90 Color Video Monitor  | 896028149001 |
| 35 cm (14 in.), PAL/NTSC, 350 TVL with audio, two (2) video inputs, 230 VAC, 50 Hz |              |

### Hardware Accessories

|  |                |
|--|----------------|
| LTC 9114/00 Rack Kit   | 8960 911 40001 |
| 48.26 cm (19 in.), for one (1) LTC 2814, 36 cm (14 in.) high |                |

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