LTC 2813/90 Color Video Monitor

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BOSCH
Invented for life

- 36 cm (14 in.) Screen size
- Provides 400 TV lines of resolution
- Auto-sensing of PAL and NTSC signals
- Wide range power supply
- Front panel controls

The LTC 2813/90 is a standard resolution color display monitor whose price/performance ratio provides an optimum solution for any low cost color system. Housed in a compact, space-saving metal cabinet, the LTC 2813/90 can be rack mounted in a 48.26 cm (19 in.) standard EIA rack using the optional LTC 9113/00 Rack Mount Kit.

Functions

This monitor incorporates a 36 cm (14 in.), measured diagonally, CRT which delivers excellent color reproduction and picture clarity with more than 400 TV lines of resolution.
The LTC 2813/90 includes two loop-through composite video inputs, using BNC connectors and impedance switches. Video inputs are selected via a front panel slide switch. Single line level audio is also available. Additional front panel controls allow for adjustment of volume, sharpness, brightness, contrast, color, and tint.
The LTC 2813/90 features an auto sensing function which automatically identifies whether input signals are PAL or NTSC. A universal power supply handles a wide range of power sources.

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

Model No.	Rated Voltage	Voltage Range	Power at Rated Volt.	Sync Format
LTC 2813/90	120/230 VAC 50/60 Hz	90–264	65 W	PAL/ NTSC

Display Tube

35.6 cm (14 in.), measured diagonally, 90° deflection stripe pitch 0.65 mm, in-line guns, integral implosion protection

Viewable Picture Area

33.2 cm (13.1 in.) measured diagonally

Linearity	
Horizontal	7%
Vertical	7%

Horizontal Resolution
350 TVL (minimum)
400 TVL (typical)

Video Input
Composite Video: 0.3 to 1.5 Vp-p, sync negative. Manual switching from 75 Ohm unbalanced to Hi-Z with loop-through operation via the impedance switch.

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
Rear Panel	75 Ohm / Hi-Z impedance switch (loop through)
Indicators (Front Panel)	Power on LED

Mechanical

Connectors	
Video A	Composite Video: two (2) BNC (1 in, 1 out)
Video B	Composite Video: two (2) BNC (1 in, 1 out)
Audio	Two (2) RCA phono jacks (1 in, 1 out)
Power Cord	Two (2) detachable, 3-wire IEC connectors with grounded plug, 1.5 m (5 ft) long; one (1) with a European/Continental plug type and one with a U.S. plug type

Cabinet	
Material	Steel with plastic front
Finish	Charcoal
Dimensions (W x H x D)	356 x 380 x 333 mm (14 x 15 x 13.1 in.)
Weight	13.2 kg (29 lb)

Environmental

Operating Temperature	0°C to 40°C (32°F to 104°F)
Storage Temperature	–10°C to 50°C (14°F to 122°F)
Humidity	10%–90%, non-condensing

Accessories
LTC 9113/00 Rack Kit: For mounting one LTC 2813/90 monitor in a 48.26 cm (19 in.) standard EIA rack; one rack unit wide by 8 rack units high.

Ordering Information

LTC 2813/90 Color Video Monitor
36 cm (14 in.), 400 TVL with audio, 120/230 VAC, 50/60 Hz
Order number **LTC 2813/90**

Accessories

LTC 9113/00 Rack Kit
for one (1) LTC 2813, LTC 2914, or LTC 2915, 14-in. high
Order number **LTC 9113/00**

Represented by:

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

Europe, Middle East, Africa:
Bosch Security Systems B.V.
P.O. Box 80002
5617 BA Eindhoven, The Netherlands
Phone: + 31 40 2577 284
Fax: +31 40 2577 330
emea.securitysystems@bosch.com
www.boschsecurity.com

Asia-Pacific:
Robert Bosch (SEA) Pte Ltd, Security Systems
11 Bishan Street 21
Singapore 573943
Phone: +65 6571 2808
Fax: +65 6571 2699
apr.securitysystems@bosch.com
www.boschsecurity.asia

China:
Bosch (Shanghai) Security Systems Ltd.
201 Building, No. 333 Fuquan Road North IBP
Changning District, Shanghai
200335 China
Phone +86 21 22181111
Fax: +86 21 22182398
www.boschsecurity.com.cn

America Latina:
Robert Bosch Ltda Security Systems Division
Via Anhanguera, Km 98
CEP 13065-900
Campinas, Sao Paulo, Brazil
Phone: +55 19 2103 2860
Fax: +55 19 2103 2862
al.securitysystems@bosch.com
www.boschsecurity.com

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