

# LTC 2919/90 19-inch Color Video Monitor

www.boschsecurity.com



**BOSCH**  
Invented for life



- ▶ 48.3 cm (19 in.) Screen size
- ▶ Provides 700 TV lines of resolution
- ▶ Auto-sensing of PAL and NTSC signals
- ▶ Switchable composite video and Y/C signal inputs
- ▶ On-screen menus for monitor adjustments

The LTC 2919/90 is a high performance, high-resolution, color display monitor, which includes a comprehensive lineup of professional features, offering maximum flexibility for a wide variety of applications. This monitor incorporates a 48 cm (19 in.), measured diagonally, CRT, which together with a specially designed comb filter circuit, delivers outstanding color reproduction and picture clarity with more than 700 TV lines of resolution. Adjustments to display parameters are made via user friendly on-screen menus, offering a choice of default or customized settings selectable in seven languages.

## Functions

The LTC 2919/90 includes two loop through composite video inputs, using BNC connectors and impedance switches, and one set of loop-through Y/C connectors for S-video signals. Using front panel controls, each of these three inputs is selectable for display individually or in sequence mode. Single line level audio is also available for composite video A and composite video B-Y/C inputs.

The LTC 2919/90 features an auto sensing function to automatically identify whether input signals are PAL or NTSC and a universal power supply to handle a wide

range of power sources. Also included is an underscan function, which allows for compensation of extended picture content, associated with multiscreen video displays, and a universal power supply to handle a wide range of power sources. Housed in a compact, space-saving metal cabinet, the LTC 2919/90 can be flush mounted in a 48.26 cm (19 in.) standard EIA rack using the optional LTC 9119/00 Rack Mount Kit.

## 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

Rated Voltage	120/230 VAC, 50/60 Hz
Voltage Range	100 to 240
Power at Rated Voltage	100 W

Sync Format	PAL/NTSC
Display Tube	48.3 cm (19 in.) measured diagonally, 90° deflection dot triad pitch 0.27 mm integral implosion protection
Viewable Picture Area	45.7 cm (18 in.) measured diagonally
Linearity	2 to 3% typical
	7% maximum
Horizontal Resolution	700 TVL (minimum)

**Video Inputs**

Composite Video	0.3 to 1.5 Vp-p, sync negative; auto-terminating 75 Ohm unbalanced to Hi-Z with passive loop-through operation via the impedance switch
Y/C	Y-signal: 0.7 Vp-p
	C-signal: 0.3 Vp-p, auto-terminating 75 Ohm unbalanced 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)**

OSD	Selects on-screen display menu
^	Brightness adjustment increase, up cursor
V	Brightness adjustment decrease, down cursor
<	Contrast adjustment decrease, and adjustment decrease OSD
>	Contrast adjustment increase, and adjustment increase OSD
A	Select video input A
B	Select video input B
Y/C	Select video input Y/C
SEQ	Select video input A, B, and Y/C in sequence
Power	On/Off switch

Indicators Front Panel	Power on LED
------------------------	--------------

On-Screen Display (7 Languages)

Brightness, Contrast, Tint (NTSC only), Color, Default, Language (English, Chinese, French, German, Spanish, Italian, Dutch), Channel title, Dwell time, Volume, Underscan

**Mechanical**

<b>Connectors</b>	
Video A	Composite video: two (2) BNC

	(1 in, 1 out)
Video B	Composite video: two (2) BNC (1 in, 1 out)
Audio A	Two (2) RCA phono jacks (1 in, 1 out)
Audio B	Two (2) RCA phono jacks (1 in, 1 out)
Y/C Video	Two (2) mini-DIN, (1 in, 1 out)
Power Cord	Two 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)	442 x 445 x 410 mm (17.4 x 17.5 x 16.1 in.) with footpads 405 H mm (15.82 in.) without footpads; 10U rack space required
Weight	24 kg (52.9 lb)

**Environmental**

Operating Temperature	0°C to 55°C (32°F to 131°F)
Storage Temperature	-10°C to 60°C (14°F to 140°F)
Humidity	10%–90%, non-condensing

**Ordering Information****LTC 2919/90 19-inch Color Video Monitor**

48 cm (19 in.), PAL/NTSC, 700 TVL with audio, 120/230 VAC, 50/60 Hz  
Order number **LTC 2919/90**

**Accessories****LTC 9119/00 Rack Kit**

for one (1) LTC 2919/90, 40 cm (15.75 in.) high  
Order number **LTC 9119/00**

**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