BOSCH
Invented for life

LTC 2009, LTC 2012, and LTC 2017 Series Monochrome Video Monitor

- **Choice of 9-, 12- and 17-in. (23-, 30- and 43-cm) monitors**
- **High quality pictures**
- **Auto-termination**
- **Supply 120/230 VAC with selectable selection between EIA and CCIR formats**
- **Robust metal case to minimize interference**
- **Optional rack mounting**

Bosch offers a range of high performance monitors which reflects the high standards of other associated units in the Bosch CCTV system, such as cameras, transmission and control equipment. Included in this range of Bosch units are the LTC 2009, LTC 2012 and LTC 2017 Series of monochrome monitors. These monitors offer high performance pictures, with a resolution of 900 TVL, making them ideal for remote observation and video applications.

Functions

The monitor housing consists of a robust rectangular metal case, which minimizes interference from external signals and allows “stacking” of monitors when used in large numbers.

Designed for ease of installation and operation, the monitors will accept a voltage supply of 120 or 230 VAC, without the need for any switching or adjustments. The monitors are setup for standard composite video signals.

Controls and Features

Most controls are located on the front panel for easy adjustment of the picture image. Monitor features include loop through connection; electrical circuits provide safe guards against interference, noise and changing signal strengths to maintain a clear and stable picture.

Additional features of the LTC 2017 monitors include switchable scanning size (over scan and under scan) and switchable DC restoration. An optional rack mounting is available for these monitors.

Certifications and Approvals

Electromagnetic Compatibility (EMC) Requirements	Complies with FCC Part 15, ICES-003, and CE Regulations
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 Voltage	Sync Format
LTC 2009/90	120/230 VAC, 50/60 Hz	90 to 264	18 W	EIA/ CCIR
LTC 2012/90	120/230 VAC, 50/60 Hz	90 to 264	18 W	EIA/ CCIR
LTC 2017/90	120/230 VAC, 50/60 Hz	90 to 264	27 W	EIA/ CCIR

Monochrome System

EIA/CCIR, selectable

Video Input

Composite video: 0.5 to 2.0 Vp-p. sync negative. Auto switching from 75 Ohm unbalanced termination to Hi-Z with looped through operation.

Controls

Power, Contrast, Brightness, V-Hold, H-Hold, EIA/CCIR switch, V-Height, V-Line

Connectors

Power input socket, 2 BNC Video input

Power Cord

Two (2), 3-wire with grounded plug, 1.8 m (6 ft) long. One (1) with a European/Continental plug type and one (1) with a U.S. plug type

Mechanical

Cabinet

Material: Steel with plastic front; Finish: Charcoal

Dimensions (H x W x D)

LTC 2009	234 x 220 x 248 mm (9.2 x 8.7 x 9.6 in.)
LTC 2012	287 x 305 x 306 mm (11.3 x 12 x 12 in.)
LTC 2017	386 x 419 x 381 mm (15.2 x 16.5 x 15 in.)

Weight

LTC 2009	4.3 kg (9.5 lb)
LTC 2012	8.9 kg (19.6 lb)
LTC 2017	14 kg (31 lb)

Display Tube

Measured diagonally, –90° deflection angle

LTC 2009	9 in. (23 cm)
LTC 2012	12 in. (30 cm)
LTC 2017	17 in. (43 cm)

Viewable Picture Area

LTC 2009	9 in. (22 cm)
LTC 2012	11 in. (29 cm)
LTC 2017	16 in. (41 cm)

Linearity

Horizontal	10% max.
Vertical	10% max.

Horizontal Resolution

All Models	900 TVL

Environmental

Operation Temp.	0°C to 40°C (14°F to 104°F)
Storage Temp.	–10°C to 50°C (14°F to 122°F)
Humidity	Operating: 10 to 90% non-condensing Storage: 0 to 90% non-condensing

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