

LM – 413

4" Color TFT LCD Monitor

User's Manual

Version 1.18

1. Operating elements and connections

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|----------------------------------|------------------------------------|
| 1. Brightness Control | 2. Contrast Control |
| 3. Volume Control for headphones | 4. Audio Output |
| 5. Power Switch | 6. Video Left-Right Reverse Switch |
| 7. Video Out | 8. Audio In |
| 9. Video Input I | 10. Video II Input |
| 11. Video selector | 12. 12V DC power input |

2. Connection

- 1) Connect the video input (9) or (10) with the output of signal source.
- 2) Select correct input source by 11).
- 3) Connect the Audio Input (8)
- 4) Connect stereo headphones to the 3.5mm jack.
- 5) Connect an electronically regulated 12V power supply .
(The positive pole must be connected to the medium contact)

3. Operation

- 1) Switch on the device with the power switch (5).
- 2) Adjust the brightness control (1), and Contrast (2) in order to obtain an image as clear and sharp as possible.
- 3) Adjust the volume for the headphones to the desired level with the volume control
- 4) Select the Left/Right Reverse Image if needed.

CAUTION: When using headphones do not adjust a high vol.

Permanent high volumes may damage person's hearing! The human ear gets accustomed to high volumes which do not seem to be that high after some time. Therefore, do not further increase a high volume after getting used to it .

3. Application range

The LCD color monitors LM-413 active matrix technology offer a sharp and high contrast display. They can be universally applied, e.g. in surveillance systems, in reverse monitoring car systems or for multimedia applications. Moreover, an additional audio input enables sound transmission via headphones

4. Installation

The model in a metal case is suitable for mounting into furniture, walls, etc. Insert four screws into the mounting holes at the front panel and mount the device to desired location.

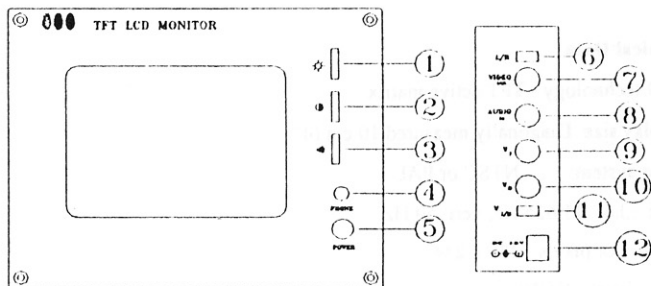


Fig. 1

5. Security notes

The unit is only suitable for indoor use. The heat being generated in the unit has to be removed via air circulation. Therefore the circulation vents at the housings must not be covered with any objects.. Do not insert or drop anything into the air vents ! This could result in a short-circuit. If the unit is used for purposes other than originally intended, if it is connected in the wrong way or not repaired by authorized skilled-personnel, there is no liability for possible damage. To cleaning only use a dry, soft cloth, by no means chemicals or water. If the unit is to be put out of operation definitively, bring it to a local recycling plant for disposal.

6. Application range

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7. Technical Data

LCD technology : TFT active matrix

Display size: Diagonally measured 10 cm (4")

Color system: NTSC or PAL

Sync. :hor. 15 625 Hz, vert. 50 Hz.

Number of pixels: 480 x 234

Audio level: 1V/10k

Power supply: 12V-,500mA

Dimensions : LM-413: Front panel 145x 125mm

Weight : LM-413:.....550g