

# ML-7HQ

## LCD monitor with quad

### Product description

The ML-7HQ monitors are LCD monitors expressly made for video surveillance applications where a small size monitor is required. They are suitable for bracket or flush mounting and ideal for vehicle installation.

### Package Contents

- Monitor with bracket
- Connection cable
- Infrared remote control

### Compatible cameras

The monitor is compatible with all analog cameras in traditional CVBS format. It is also possible to connect analog cameras in high resolution AHD 720P and 1080P.

### Connections

The monitor is supplied with a connection cable to be connected to the connector that protrudes from the monitor itself.

At the other end of the cable are the connectors for connecting the system.

**POWER SUPPLY** - The monitor is powered by direct current with voltage from 10 to 36VDC. The negative connects to the GND cable and the red one connects to the positive). The positive of the power supply connects to the 12-24V cable. There is also an ACC cable to be connected to the vehicle's control unit and which allows the monitor to be switched on when the vehicle is switched on.

If you are not using the monitor on a vehicle you must apply the positive to both the 12-24 cable and the ACC cable for the monitor to turn on.

**VIDEO** - The monitor has 4 female RCA video inputs for connecting max. 4 cameras. The monitor can show only one camera at a time or all cameras together with different layout options.

There are also 4 colored cables (one per channel). Each of these, if connected to 12VDC positive, brings the corresponding channel to full screen on the monitor. This is useful for changing shots without having to press any buttons; for example when switching from normal driving to reverse. In vehicles, the 12VDC signal can be taken from the vehicle's control unit.



### Front push-button panel

1. Power on
2. Up
3. Down
4. Enter - Cyclic scan
5. Menu
6. DX shift / Display change

### Using the monitor

The keyboard of this monitor is touch sensitive, you do not need to press hard on the buttons.

Press the power button (1) to turn on the monitor. Press key 6 to display video input 1, 2,4,4 or different multiple display options (which can be enabled in programming). Press the MENU button (5) to access programming.

### Configuration menu

Press the MENU button to access the programming menu. Move with the arrows, select with the ENTER (4) button and exit with the M button.

There are the following buttons:

DISPLAY - Contains display options  
SYSTEM - Sets the time (other options not used)  
PLAYBACK and RECORD: Not used

### SYSTEM menu

In the SYSTEM TIME button you can set the date and time that the monitor shows. In the POWER SAVING option you can set the automatic shutdown after a period of inactivity.

### DISPLAY menu

In the display button you can configure:

- ADJ Scene MODE display - Adjusts the overall picture of the monitor (brightness, contrast etc.)
- Display ADJ Screen Margins - Adjusts the centering of the monitor
- Display ADJ Image adjust - Adjusts the image for each channel
- Channel name - You can type in the name of the channels which is displayed overlay
- Loop preview - You can enable the cyclic scanning vision with a dwell time on each camera. With button 4 of the keypad you can start the scan.
- Transparency - Transparency of the menu
- Installation mode - Sets whether the monitor is normal or inverted. You can also set which channels reverse and side view are paired for
- Auto brightness - Enable automatic brightness of the monitor
- Time display - Enable date and time stamping
- Display mode. Set the background and border color and enable / disable the 15 viewing options. It is convenient to disable the options not used so as not to have to scroll them when using key 6 to change display.

### Bracket mounting

The special articulated bracket of the ML-7HQ monitor allows mounting on any surface without the need for additional accessories.

If necessary, the bracket can be removed if flush-to-surface mounting is preferred.

