



**WACHIT VMD-95**  
**Automatic Real-Time Video Event**  
**Recorder**

**User Manual**

Version 2.0



## Operation

WACHIT VMD-95 is the combination of an off-the-shelf high quality VCR and the state-of-the-art "Video Motion Detection" (VMD) technology developed by "Farco Technologies Ltd".

WACHIT VMD-95 constantly monitors the signal received from a video camera connected to its "AV Input" to detect motion. When a motion is detected, WACHIT VMD-95 starts recording. After 30 seconds of non-motion, WACHIT VMD-95 will pause. If there is no motion for a further 2.5 minutes then it will stop. If a motion is detected while the WACHIT VMD-95 is paused, then it will resume recording.

WACHIT VMD-95 may be used with multi-channel video switchers and quad processors. When a motion is detected in any of the cameras, it starts recording. When none of the cameras have motion, it stops recording. (NOTE: some switchers and quads may not work correctly. When a switcher is used activities happening on a camera that is not switched on will not be recorded. Some movements in a quad installation may not be detected.)

WACHIT VMD-95 integrates out video noise and therefore has excellent noise immunity. This minimises the false alarm rate (FAR) while maximising the probability of correct detection (PD).

WACHIT VMD-95 works well with both wired and wireless cameras.

WACHIT VMD-95 automatically adjusts to the video signal level. It can be used with cameras producing signal levels as low as 0.5Vpp to as much as 2Vpp (nominal signal level for composite video is 1Vpp).

WACHIT VMD-95 includes complex image processing algorithm which minimises false alarms due to slow changes in ambient light such as cloud movements and day-night light change or fast changes such as flying birds.

## Installation

This installation procedure assumes that you have already installed a security camera at a suitable location and the camera is turned on.

Connect the WACHIT VMD-95 to the mains supply and turn it on.

- 1- Connect the video cable from the video camera to the RCA AV input of the WACHIT VMD-95.
- 2- Insert a blank tape that you can record on.
- 3- Change the channel to AV input.
- 4- Set the toggle switch to the "VMD on Arm" position. (Toggle switch down)
- 5- The WACHIT VMD-95 will now start analysing the video signal and will start recording if a motion is detected.



## Troubleshooting

Problem	Solution
Motion is not detected.	<ul style="list-style-type: none"><li>• Ensure that the camera is on.</li><li>• Ensure that the WACHIT VMD-95 is turned on and a video tape is inserted.</li><li>• Check that the camera video lead is connected to the "Video In".</li><li>• Ensure that the toggle switch is down.</li><li>• Unlike PIR motion detectors which are sensitive to small motions and prone to false alarms, WACHIT VMD-95 is designed to detect walking of humans and movement of larger objects. Therefore small motions such as movement by a small pet or moving a hand form a long distance will not be detected as a valid motion.</li></ul>
WACHIT VMD-95 starts recording but the Image from the camera is not recorded.	<ul style="list-style-type: none"><li>• Ensure that the WACHIT VMD-95 is set to the AV Line input channel.</li></ul>

## Warranty

WACHIT VMD-95 has a warranty of 12 months against defects in workmanship and materials after the original date of purchase. In the event of failure, the supplier will replace or repair it at its own option providing there is no evidence of customer misuse or alteration. Customer is responsible for shipping costs to and from the supplier.

## Disclaimer

THE WACHIT VMD-95 MUST NOT BE USED FOR UNLAWFUL PURPOSES OR WHERE ITS USE IS UNLAWFUL. FARCO TECHNOLOGIES LTD MAY NOT BE HELD LIABLE FOR INJURY, LOSS OR DAMAGE, DIRECT, INDIRECT OR CONSEQUENTIAL, ARISING OUT OF THE USE, OR INABILITY TO USE THE WACHIT VMD-95. THIS INCLUDES, BUT IS NOT LIMITED TO, THE FAILURE OF THE WACHIT VMD-95 TO PERFORM AS ADVERTISED.

