

# 2-CHANNEL MINI REAL TIME DVR



CE

OPERATION MANUAL

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## © CHAPTER 1: INTRODUCTION

## 1. Main Features

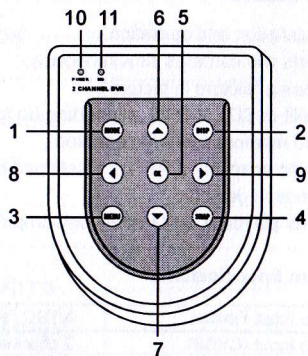
- DIY installation and operation.
- Connects two cameras simultaneously, functioning "picture in picture".
- With built-in SD card slot, supporting up to 8GB memory capacity.
- SD card memory overwrite enabled.
- Automatic snapshot (JPEG) / 10-second video recording (AVI) when motion detected.
- Supports playback on TV/Monitor/Computer

## 2. System Specifications

Video Input Format	NTSC / PAL	
Video Input (CVBS)	2 channels	
Video Output (CVBS)	1 channel	
Display Mode	Full / PIP	
Display Frame Rate	PAL: 25 FPS; NTSC: 30 FPS	
Display Resolution	PAL: 720*576; NTSC: 720*480	
Recording Mode	Motion-triggered / Manual	
Recording Frame Rate	PAL: 12 FPS; NTSC: 15 FPS	
Recording Resolution	Photo: 640 x 480; AVI: 320 X 240	
SD card Back-up (Archive Device)	Up to 8GB	
OSD	English	
Search Function	Mode	Time & Date
	F / Screen	Yes
Motion Detection	Yes (Internal)	
Net Weight	108g	
Dimension	115mm x 80mm x 31mm	
Power Supply	DC 5V / 12V	

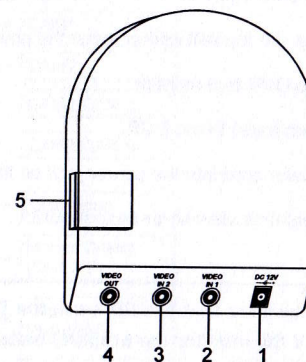
## ◎ CHAPTER 2: PHYSICAL UNIT

## 1. DVR Front Panel




Item	Label	Function
1		Preview/Playback.
2		Channel shift; folder selection.
3		System setup.
4		Snapshot or AVI video.
5		Confirm; image shift in playback mode; and single full screen display.
6		Move upward; preview: start/close Motion Detect; playback: display or cancel OSD.
7		Move downward; preview: shift Photo/AVI video; playback: AVI video playback.
8		Move leftward.
9		Move rightward.
10		Power LED.
11		Motion detection LED.

## 2. DVR Rear Panel



Item	Label	Function
1	DC 12V 	Power supply.
2	VIDEO IN 1	The RCA for video in for camera1.
3	VIDEO IN 2	The RCA for video in for camera2.
4	VIDEO OUT	The RCA for video out.
5	SD Card	SD card slot

## © CHAPTER 3: GETTING STARTED

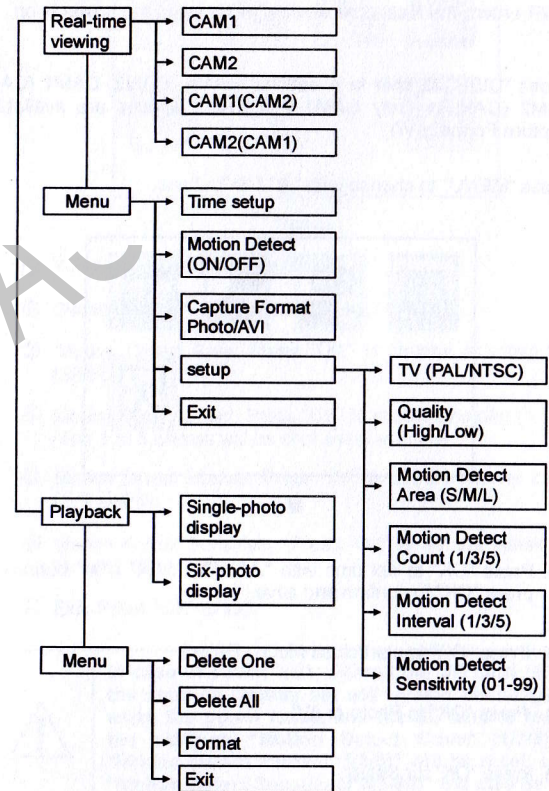
- Install a SD card into your DVR. (The sign “” for the SD card will be shown on the top left corner after the power is on; or otherwise)
- Connect the DVR to a monitor.
- Connect camera(s) to the DVR.
- Plug the power cord into the power jack on the wall.
- Start the real-time viewing or snapshot/AVI.



**Make sure that the SD card, the DVR, the camera(s), and the monitor are properly installed.**

## © CHAPTER 4: OPERATION MANUAL

## Flowchart:

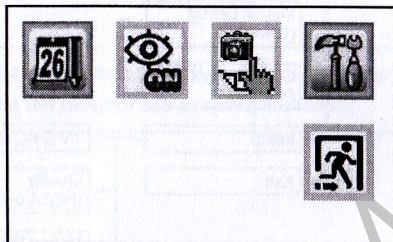


## 1. Real-time Viewing Mode

The DVR enters the Real-time viewing mode when the power is on.

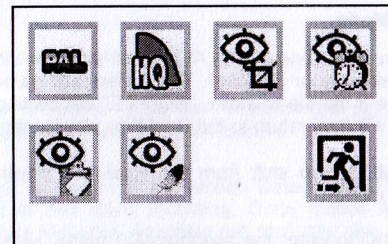
1.1 Press "DISP" to shift in 4 options: CAM1, CAM2, CAM1 (CAM2), CAM2 (CAM1). (Only CAM1 and CAM2 options are available in Capture Format AVI)

1.2 Press "MENU" to choose with "◀" / "▶" buttons.



Menu

- 1). Press "OK" to set time with "▲" / "▼" / "◀" / "▶" buttons, and press "OK" to confirm and save.
- 2). Press "OK" to start/close Motion Detect.
- 3). Press "OK" to Photo or AVI.
- 4). Press "OK" for Setup:



Setup

- ①. TV: Press "OK" to set PAL/NTSC.
- ②. Quality: Press "OK" to set High/Low.
- ③. Motion Detect Area: Press "OK" to choose or move the area (S/M/L).
- ④. Motion Detect Count: Press "OK" to set the photo(s) (1, 3 and 5). (The 3 or 5 photos will be shot every second)
- ⑤. Motion Detect Interval: Press "OK" to set the interval in seconds (1, 3 and 5).
- ⑥. Motion Detect Sensitivity: Press "OK" to set the sensitivity from 01 to 99 (high to low).
- ⑦. Exit: Press "OK" to exit.

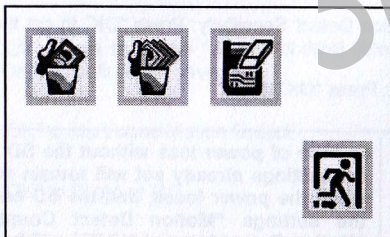


**In case of power loss without the SD card removed, the settings already set will remain unchanged, but when the power loses, and the SD card is removed, the settings "Motion Detect Count (1/3/5)" and "Motion Detect Interval (1/3/5)" will be reset, and the "Motion Detect Sensitivity (01-99)" will also be reset.**

## 2. Playback Mode

The photos in JPEG and files in AVI will be stored in different folders in the FLASH memory or SD card. The folders are named with different dates. If there is no file to store, "NO FILE" will be shown in Playback mode, which will then return to the Real-time viewing mode.

- 2.1 Press "MODE" to shift from the Real-time viewing mode to the Playback mode.
- 2.2 Press "OK" to enter the six-photo/AVI mode, select the photo/AVI with "◀" / "▶" buttons, (if chosen, the sign "📷" or "📹" will be accordingly shown on the bottom), and press "OK" to display the selected photo in full screen (or press "OK" and "▼" to replay the AVI video clip).
- 2.3 Press "▲" to cancel OSD display, and press "▲" again to display OSD.
- 2.4 Press "DISP" to choose the folder, and press "▲" / "▼" to choose the folder with the date you need, finally press "OK" to confirm.
- 2.5 Press "MENU" to choose "Delete One", "Delete All", "Format" and "Exit" with "◀" / "▶" buttons, and then press "OK" to confirm.



Delete

## 3. Photo/AVI

In the Real-time viewing mode:

- 3.1 Press the "▼" button to the set Photo/AVI (the sign "📷/📹" will be accordingly shown on the top left corner).
- 3.2 Press the "▲" button to set Motion Detect ON/OFF for automatic snapshot or AVI video recording. Once motion is detected, the snapshot or AVI video recording will start (the sign "📷" and "REC" will be accordingly shown at the left top).
- 3.3 Press the "SNAP" button to manually make the snapshot or AVI video recording.



1. Under the two PIP display modes, with the capture format modes (both the photo and AVI), the snapshot and AVI video recording will only apply to the main camera.
2. The length of time for each AVI video clip is currently defaulted as 10 seconds.

THANK YOU FOR CHOOSING OUR PRODUCTS.