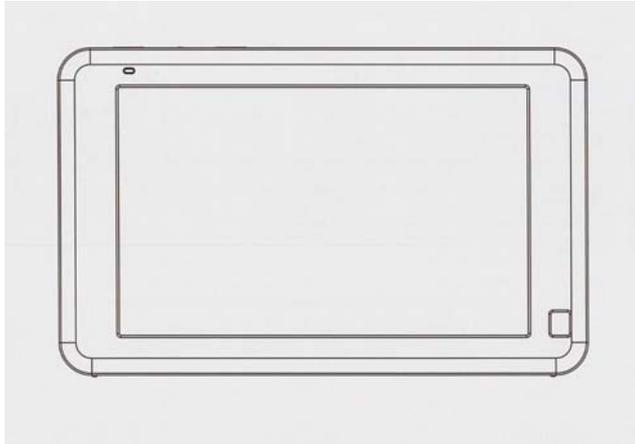


HD Portable Digital Video Recorder

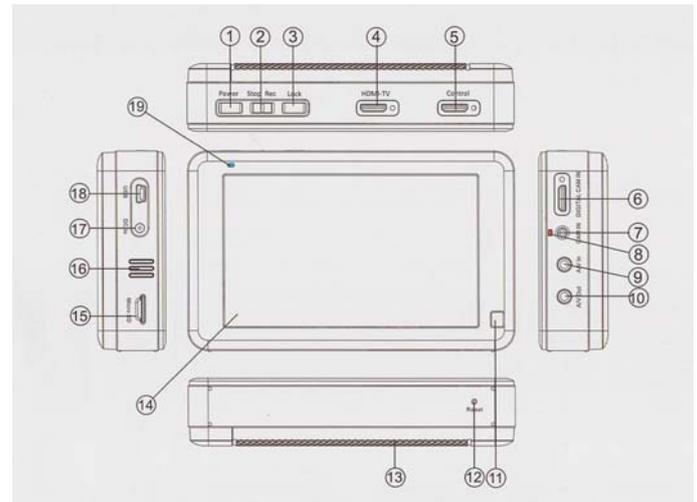


Product description

The DK-PV1000E product is a portable video recorder miniature pocket-size. It goes well with any

analog camera but it is advisable use with the DSE cameras RE-TCN9XH / CH / LH to which is also able to supply the power. Combined with the special digital camera RE-TCNXHD with digital video recording 720P HD RAW allows ensuring the highest quality in the hidden footage. Among the main applications:

- **Cameras to wear.** It can be easily kept in a pocket and operated as needed. Among the cameras developed specifically for this product there are different models suitable to be worn
- **Hidden cameras.** It can be easily also hidden in narrow places and can monitor an environment for a long time if it is connected to the current. It 'also possible to feed it with its battery life of about three hours.
- **Shooting sports.** The minimum size and weight make it easy to wear for athletes for live performance
(Cars, motorcycles, skiing, paragliding etc.)
- **Roll of media.** Insensitive to vibrations, it can be used on vehicles and vehicles. The TFT screen allows local viewing of images.
- **small size and great performances.** It allows, in pocket size a higher recording capacity, up to 10 days in HD resolution.



1 - Button Power ON / OFF 2 - selector start / stop recording 3 - Key lock touch screen 4 - HDMI Output

5 - Remote control cable connector (not yet available)

6 - Connect the digital camera (RE-TCN9XHD) 7 - Input A / V + supply for analog camera

8 - LED digital camera indicator 9 - A / V input for analog camera 10 - AV output for connection to TV 11 - infrared sensor 12 - RESET button 13 - Battery compartment 14 - touchscreen display 5" TFT 15 - Slot Micro SD card 16 - built-in speaker 17 - power input 5VDC 18 - 19 USB port - LED status indicator

General characteristics

- **Compression H264** the same as the best desktop DVR allows over 250 hours of internal Hard Disk recording.
- **Built-in HDD, capacity 500 GB**
- **Recovery recording on micro SD card or SD card capacity up to 32 GB, without the need for any prior formatting.**
- Insensitivity to vibration and shock
- **Management of 1 analog audio / video input**
- **A / V Input + 5V power supply for DSE analog cameras RE-TCN9XH / CH / LH**
- **Input A / V + supply for Digital Camera HD DSE RE-TCN9XHD**
- **Entrance A / V for generic analog camera**
- **video Output for TV or external monitor**
- **HDMI Video Output for TV or HDMI monitor**
- **built-in Monitor 5" TFT touchscreen**
- **Programming Menu screen graphic**
- **Motion detection to start recording only if clearly intrusion**
- **Overwrite of memory.** It allows uninterrupted recording erasing

automatically the oldest files once exhausted the memory capacity

- **Lithium battery** capable of providing power to the video recorder and camera. Autonomy of about 180 minutes in continuous recording (including camera power)
- **High resolution video up to 1280x960 pixels, the resolution allows 720P (1280x720) is 4xVGA (1280x960).**
The DVR is ready for Full HD 1080P resolution with DSE 1080P digital cameras soon to be realized.
- **acquisition capacity.** View and record real-time 25 f / sec
- **5VDC power supply.** 220V adapter supplied
- **Door USB for PC connection.** The files simply by browsing with Windows Explorer and reproduce with Windows Media Player or similar player like VLC etc.
- **TV remote infrared**
- **Saving AVI movie files**
- **miniature size 130x80x23.5 mm**
- **Low weight 256 grams.**

battery touch the gold contacts of the device. Now you can recharge the battery.



Charger - Before using the machine, you must charge the battery for a few hours. Connect the power supply provided at the entrance **DC IN** and verify that the charging LED next to the screen is lit in red. The LED turns off when fully charged.

Operation with mains supply - The DVR can record even when connected to the mains. This way we do not

Yes have to worry

the autonomy of the batteries.

Connection with digital cameras DSE RE TCN9XHD - The digital video recorder DK-PV1000E from its better if used with the digital camera RE- TCN9XHD,

expressly

designed for this DVR. This DVR camera sends to a digital signal that provides a RAW HD720P definition video can not be obtained with other traditional analog cameras. The RE-TCN9XHD camera is equipped with a special HDMI connector to be connected to the **DIGITAL IN CAM**.



This way the DVR takes the audio signal and digital video camera and will simultaneously provide power.

Connection with analog cameras DSE RE TCN9XH / CH / LH - The digital video recorder DK PV1000E also accepts

DSE cameras

concealment TCN9XH / LH / CH.

In this

If the camera is equipped with a mini-jack that is inserted directly into the socket CAM IN of the VCR. In



This way the DVR picks up the signal of the camera A / V and provides you with contextually power.

Connecting to generic analog camera

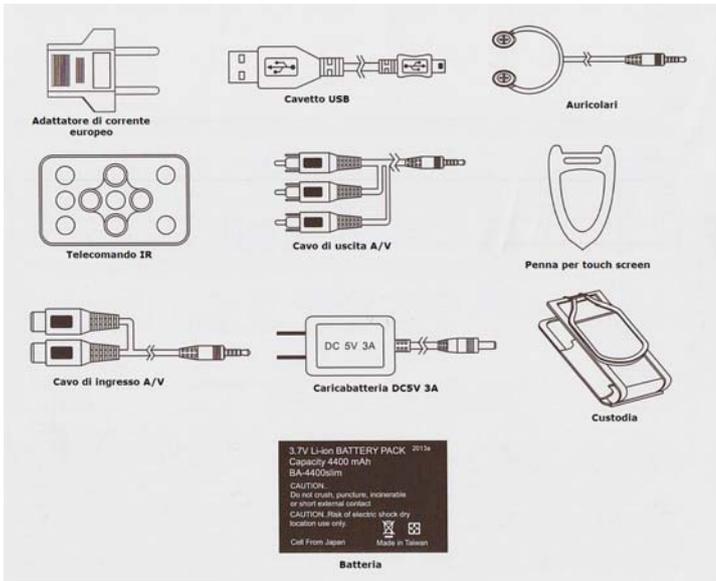
IS' also possible connect the VCR to any analog camera via the supplied adapter cable with RCA white / yellow.

The minijack of the adapter cable is to be inserted into the socket A / V IN of the VCR. On the other side there are two RCA audio connectors (white) and video (yellow). In this situation, the camera must be supplied separately via a network adapter or battery. Be careful not to confuse the camera cable (white / yellow terminals)



with the cable TV (terminals white / yellow / red).

Connecting to other video sources - In addition CCTV cameras can be connected to other composite video sources such as DVD players, VCRs and TV to record programs. It uses the same cable with RCA white and yellow. Depending on the connections of the device to be connected



Package Contents

- Video DK-PV1000E
- Rechargeable lithium battery 3.7V 4400mAh
- 220VAC / 5VDC Adapter
- Infrared remote control
- Pen for touchscreen monitor
- USB cable for PC connection
- stereo headphones
- AV OUT cable for connection to TV
- AV IN Cable for generic camera connection
- Belkin belt fabric

CAUTION - Before use, remove the protective screen LCD and the insulation tab from the remote control battery.

Connections

Insert battery - The battery compartment is located on the rear of the device. Open the cover by pressing the button and sliding it towards the outside, and then insert the battery while paying attention to the direction of insertion, with the written at sight and the gold contacts of

adequate adapters may be required in order to be able to insert the RCA female cable provided.

Built-in Monitor - The DVR is equipped with an LCD monitor 5" where you can see the configuration options, the live images of the cameras and recorded video. The monitor is of type touch screen and it allows to control all

options directly on-screen buttons. DVR by pressing

Connecting to TV or analog monitors

E'can play the same images that appear on the LCD monitor to an external monitor or TV. You use the supplied adapter cable with RCA white / red / yellow. The jack side is inserted into the socket A / V OUT which is located on the side of the DVR. On the other



side available 3 RCA stereo audio connectors (white / red) and video (yellow) to connect to an external monitor.

If you make the connection to a TV equipped with only one scart socket need a SCART RCA RE-SCART1 adapter (see table) to be purchased separately.



In the DVR control menu you can specify whether to play the images on the built-in LCD and the external display or on both.

Connecting to TV or HDMI monitor - E'can play the same images that appear on the LCD monitor on a TV with HDMI input.

This connection allows higher resolution with respect to the connection

analog TV described in previously.

It uses a standard HDMI cable TV (not included)

connecting it to the TV HDMI-mail on the side of the DVR. In the DVR control menu you can specify whether to play back images on the built-in LCD and the external display or on both.



Inserting Micro SD card - Although the DVR already have a built-in hard drive to store the recordings, on the side of the device there is a slot for micro SD card.

In programming, you can decide whether to store the video on the HDD or SD card.

Recording on SD card can be useful if you want a removable support can be pulled out at any time.

The DK-PV1000E manages micro SD card the memory capacity up to 32 GB. The micro SD card is not supplied as standard.

PC Connection - The DK-PV1000E can be connected to PC so that movies and pictures stored on the hard disk or SD card can be easily transferred to a PC.

For connection to a PC using the supplied USB cable and the USB port on the device OUT. As soon as the device is connected to the PC operating system will recognize the device and install the driver in an automatic way. The VCR is seen from the PC as any external memory that can be browsed with EXPLORER.

--- IMPORTANT NOTE ---

Although the files in the VCR are manageable with EXPLORER same way as Windows files, it is recommended limited to copying files. Other task of renaming and / or deleting files with Windows Explorer and above format, can lead to equipment failure.

Earphone Connection - DK-PV1000E has a place speaker on the side between the power output and the micro SD card compartment. Alternatively, you can also listen to the audio with the included earphones to be included in the AV out jack.

LOCK button - DK-PV1000E has a LOCK button that serves to inhibit the functionality of touchscreen monitor

so as to avoid commands involuntary. Pressing the LOCK button displays a lock icon on the screen. Press again to unlock LOCK.

Switching on the DVR

To turn on and turn off the DVR hold for a few seconds the power button POWER on the DVR. You can not power on with the remote control IR.

REC / STOP - On the top edge of the DVR is the REC / STOP selector that allows you to start and stop recording. This key also affects the startup behavior of the DVR. If the recording switch is set to REC, once completed the start-up

the DVR will automatically in recording. If the switch is set to STOP it is automatically shown the DVR configuration menu, and you can start recording using the controls on the screen ..

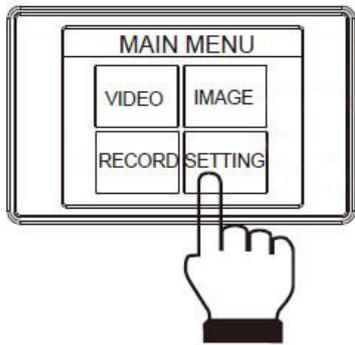
Control Menu - The Control menu allows you to configure the DVR to suit your needs. To move between the menu options you can act directly on the touchscreen or use the

remote control by pointing it at the IR receiver located on the edge of the machine. To navigate through the menu items press

the keys marked by arrows up / down and confirm by pressing the middle button of the remote control marked with the symbol PLAY / PAUSE.



The DVR control menu consists of 4 sections: SETTING - To configure options RECORD - To register VIDEO - To browse and play back movies IMAGE - To browse and play photos



Registration (record)

From main menu, press the RECORD button. DK-PV1000E has 4 recording modes:

PREVIEW - Registration part in the drive exactly when the REC command

PRE-EVENT - The recording starts at the time of actuation of the REC command but also includes a period prior to the command of 5 or 15 seconds (programmable)

This function, that may not seem important, it's actually very important to make sure you do not miss important images because of a delay in the activation of the DVR.

MOTION - In the time of activation of the MOTION recording the DVR moves into the motion detection status. The actual recording starts at the moment when a movement occurs in the detection area. The recording will stop at the end of the time set in configuration (from 5 seconds to 3 minutes), and the VCR will return to stand-by waiting for a new intrusion.

Obviously the use of the MOTION DETECTION provides that the camera is absolutely still so it is not usable with cameras worn

PRE-MOTION - As the motion detection also including a period prior to the occurrence of the intrusion as already seen in the PRE-EVENT recording.

Start recording by touchscreen

To activate the recording just press the button on the touchscreen corresponding to the desired recording mode.

The DVR will not start recording immediately, but moves in a preview condition where you see the live image of the camera and it is possible to change the volume of the microphone and the recording settings which, however, can also be set in the configuration menu as will be described in detail later.

If at this stage the camera image does not appear in its place and you see the message NO SIGNAL carefully checked the camera as explained in the previous chapter. With the CAMERA button to take a picture, while the REC button actually starts recording.

The start of touch screen interaction recording is the one to choose recording.

When the recording is in progress lights up LED red next to the power button on the DVR.

Start recording with REC,

E 'can also activate the recording by pressing the REC button on the DVR. Pressing this button is possible to select the recording mode. Inside the DVR configuration it is possible to specify which recording mode to use by default when pressing the REC command. An 'interesting feature of this button is to be actually a selector (REC ON / OFF REC). If we set the switch to the REC position before turning on the DVR, simply turn on the device because this enters into recording automatically.

Start recording by remote control IR

E 'can also enable logging with IR remote control by acting on the following buttons.



REC button - Start recording



PAUSE button - Stop recording momentarily. REC Press again to resume recording.



STOP button - End recording If the recording is started by the remote control is not possible to specify the mode. In the DVR configuration it is possible to indicate which recording mode used by default when the REC command is launched.

Playback (video / image)

Movies are recorded in AVI format while images are saved in JPG format.

For playing movies from the main menu press the button VIDEO.

Recorded files are grouped into folders named with the date of registration.

To start playing, tap the file on the touchscreen. During playback, you can tap the screen and act on the play buttons in the overlay. To view photos in archives press the button

IMAGE and operate as described above for video. And 'of course also possible to connect the DVR to a PC as described above and copy the recorded files to PC for playback using common player such as Windows Media Player, VLC etc.

Configuration (setting)

From the screen of the main menu, press the SETTING button.

PREVIEW - Here you set the video options of the normal recording. E 'can set up first of all by the FullID1 RESOLUTION (720x576) up to HD in 16: 9 (1280x720) and 4: 3 (1280x960). The parameter QUALITY 'adjusts the H264 compression, raising it reduces the compression and occupies more space in memory. The FRAME RATE defines the number of frames per second, the maximum is the Real-Time 25 f / sec .. E 'can also enable AUDIO recording. FRAME COUNTER STAMP enables the overlay of the frame counter, TIME STAMP enables stamping of date and time. DEVICE

STAMP ID skills there overlay identifier of the DVR. MICROPHONE SENSITIVITY



adjusts the sensitivity of the microphone. OVERWRITE defines whether to overwrite the oldest video once run out of space in memory.

PRE-EVENT - In this section you set the recording options in the pre-event mode (see above) .- It is found the same as the preview mode options just described. In addition you can set the duration of the period of pre registration: 5 or 15 seconds

MOTION - In this section you set the recording options in the motion mode (see above). They find the same options in the preview mode. In addition it is possible to set the parameters related to the detection of the movement, namely:

- the duration of the registration period following the detected movement: 30 sec. 1 min. 3 min. 5 min. (DURATION)
- The detection sensitivity (LEVEL)
- The detection area (ZONE)

PRE-MOTION - In this section you set the recording options in the pre-motion mode (see above). They find the same mode of motion options. In addition you can set the duration of the period of pre registration: 5 or 15 seconds

DATE AND TIME - they set the date and time are important for the history of recordings.

DATE FORMAT - You set the date display format, in Italian as a rule choose DDMMYYYY

LANGUAGE - Available only English.

RECORDING MODE - You set the default recording method that is the mode to use when you start recording by pressing the REC command with the REC button on the DVR or remote control.

RESUME TO PRESET DURATION - If you enable the options 15 or 30 seconds, after 15 or 30 seconds of operator inactivity the DVR will resume the registration default in the previous step.

TIMER RECORDING - IS' possible to define 4 automatic recording schedules by defining the date and time of start and end of recording. E 'can then leave off the DVR. The registration will take place in the pre-set time.

DAILY TIMER - E 'can define 4 daily automatic programming of defining recording start time and recording end. E 'can then leave off the DVR. The registration will take place in the pre-set time.

BACKLIGHT OUT DURATION - It determines the idle time that determines the shutdown of backlight of the monitor to save battery.

DIGITAL CAM LOW LUX - Enables the vision function with low brightness of digital cameras RE-TCN9XHD

DIGITAL CAM NTSC / PAL - Defines the video standard to get from digital cameras RE-TCN9XHD

STORAGE OPTIONS - DK-PV1000E can record on your hard drive or on a removable SD card. In this programming step is choosing which type of memory used (HDD or SD).

STORAGE INFORMATION - Provides information on the unit's memory capacity in use and on the free space available.

STORAGE CAPACITY ICON - Enable / disable the icons that give information on the device memory

FORMAT MEMORY - Format the DVR memory (HDD or SD) erasing the entire contents.

TV OUT SETTING - Defines the TV video output format. In Italy set PAL.

TV OUT ADJUSTMENT - Setting auto calibration image on the external monitor

DISPLAY - Defines which view images (LCD, TV output, or both).

VIDEO PLAYBACK - Defines whether to repeat playback or less at the end of the vision of a movie

VIDEO / IMAGE THUMBERNAIL - Enable there displayed with thumbnails in the list of files to be played.

START SLIDESHOW - Displays images one after another while viewing

SLIDESHOW DURATION - It determines the duration of the intervals between a file and the other during the slideshow

FIRMWARE UPGRADE - Firmware update should only be used on the advice of our technical support

RESTORE FACTORY SETTING - Restore factory settings

POWER ON PASSWORD - Allows you to password protect the powered DVR (ON / OFF)

September POWER ON PASSWORD - If active POWER ON PASSWORD Here you can set the password

USB CONNECTION PASSWORD - Allows you to protect with a password USB connection with a computer (ON / OFF)

Sept. USB CONNECTION PASSWORD - If PASSWORD CONNECTION USB allows active set its password

TOUCH PANEL CALIBRATION - To adjust the touchscreen response

IMAGE REVERSE - Activate the mirror image viewing with tilt

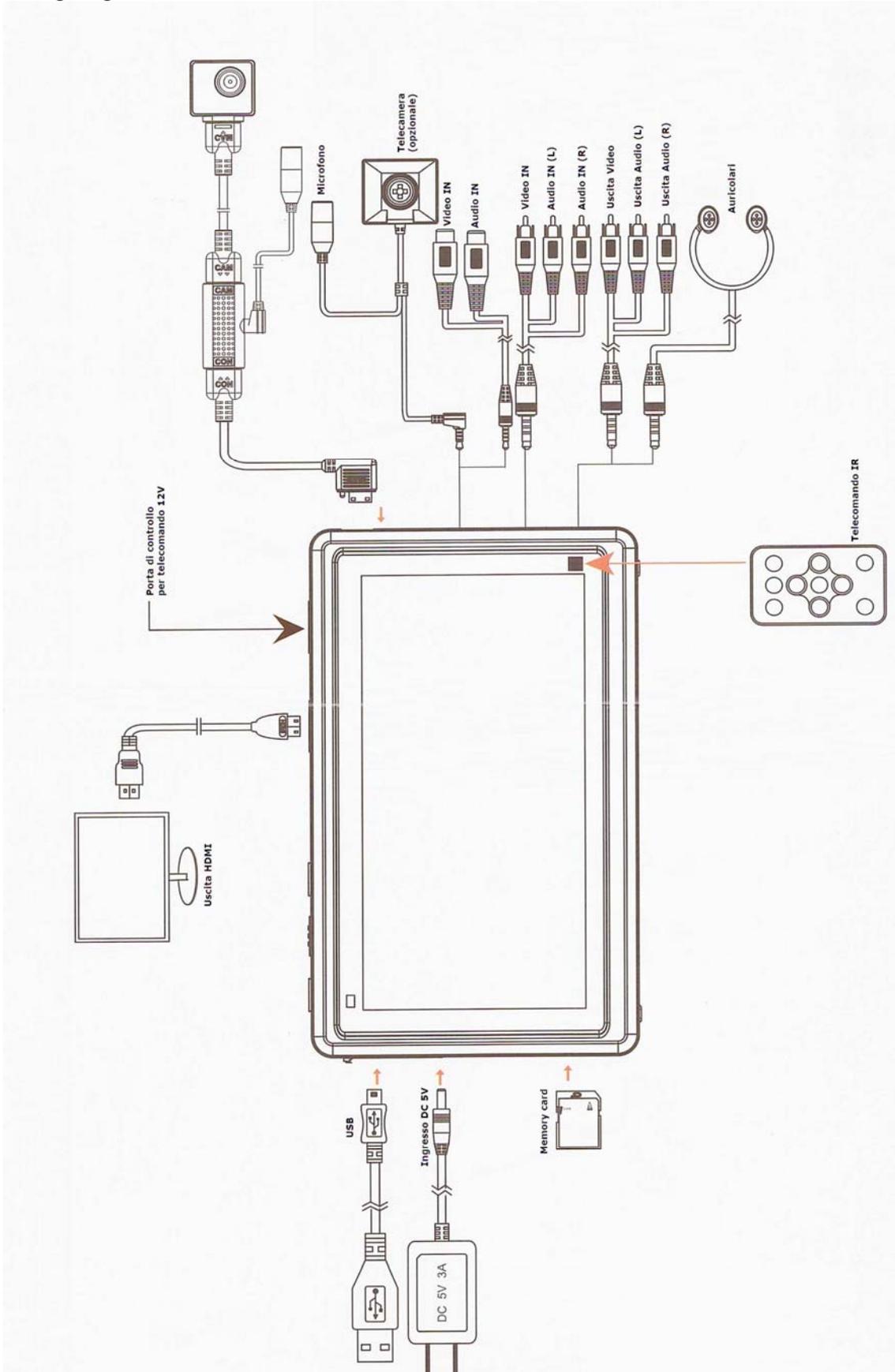
CREATE LOGS - Activate the writing of the event memory useful to the police to know the usage history of the DVR.

VIEW LOG - Allows you to see the event memory

SAVE ALL LOGS - choose where to save events

DEVICE INFORMATION - View the version of the product.

Wiring diagram



Major Specifications



http://www.dseitalia.it/dati_videoregistratori_digitali.htm

