

DK-BK1

Camera and VCR in the book / agenda



Product description

DK-BK1 is a book / calendar that contains a hidden camera with video recorder.

The product is also equipped with a highly sensitive microphone can sense very clearly all the sounds of the environment, including phrases spoken softly in a medium sized environment.

DK-BK1 is equipped with a powerful internal battery without power for an autonomous operation for a long period. In addition, thanks to the PIR motion sensor can monitor an environment for days and begin recording only in case of intrusion.

DK-BK1 is also equipped with infrared illuminator for shooting in the dark up to 6 meters

Design unsuspected

In order not to arouse any kind of suspicion DK-BK1 is a real agenda to pull sheets rings where you can enter any your document.

CAUTION: PIR sensor and IR illuminator are covered by a protective film that **MUST NOT BE REMOVED**, since its purpose is to camouflage these elements with detection of the object material.

Controls

The DVR control panel is located within the agenda



- 1 - Slot for Micro SD card
- 2 - to reset button
- 3 - USB port for PC (cable supplied)
- 4 - LED status indicators
- 5 - Selector for audio recording (ON / OFF)
- 6 - ignition switch and recording type (MD = motion REC = continuous OFF = off). In the newer versions of this product selector has been replaced by MD-3 REC-POWER buttons.

Battery powered

DK-BK1 is made to work with its internal battery. E 'equipped with a battery of large capacity (10 Ah) hidden inside the calendar cover that allows up to 30 hours of

continuous recording (10 hours with IR illuminator access).

Thanks to its motion sensor, DK-BK1 can also stay up to two years waiting for an intrusion to start recording.

Charging the internal battery

DK-BK1 is provided with a built-in battery from 10000 mAh which allows the DVR to record for 30 consecutive hours.

The battery is always connected so that you can turn on your DVR at any time.

The battery is charged when supplied, but it can have its own minimum consumption even if the product is not used.

For this reason it is recommended that as first thing to provide battery charging, just received the product.

To recharge the battery just connect the USB plug to a computer or to a USB charger with the supplied cable.

While charging is advisable to maintain the power switch to OFF. YELLOW LED lights to indicate charging in progress.

To recharge a completely discharged battery takes about 20 hours.

Once charging is complete, the yellow LED turns off.

Inserting the micro SD card

To register you must insert a micro SD card into the slot (Figure 1).

E 'can use micro SD card with 4 to 128 GB capacity in CLASS 10 or higher.

An SD card class 10 has a 10 MB / s write speed. Do not use the SD card with a lower rate because it would lead to malfunction.

Attention to the SD card inserting direction that will slide in its seat only with the gold contacts facing upward, as shown in silhouette drawn to the left of the slot.

The SD card should be pushed into the slot with the nail until you feel the retaining snap. To pull it must not pull it outward, but push again until you hear the unlocking.

The package does not include any Micro SD card that you need to be purchased separately according to your need for storage.

Be advised that DK-BK1, recording in FullHD, occupies a lot of memory: about 1 GB every 8 minutes.

On a 32GB SD card you can hold over 4 hours of recording. On an SD card of 128 GB over 16 hours.

Typically this product is used in motion detection, so as to occupy only memory in case of intrusion.

Overwrite

Once you run out of space in the DVR factory memory begins to overwrite the old files and continue to register. It can also set the stop at full disabling memory overwrite (see below)

Signaling LED

DK-BK1 is equipped with a 3 LEDs that indicate the status.

STATE OF THE LED	MEANING
Solid yellow	DVR connected to PC or USB power supply with OFF switch. Battery charging.
Solid yellow Blue / Red flashing	DVR connected to PC with ON switch. Battery charging and reading SD card with PC.
Blue 3 flashes	Start continuous recording
Red 3 flashes	Start recording motion

Blue 10 flashes	Missing SD card
Red and Blue 10 flashes	Low battery

Resolution / archive / overwrite

DK-BK1 is able to record audio and video in Full HD 1080P 1920x1080 @ 30 f / sec. 8 minutes recording occupy about 1GB of memory.



Obviously you should use the recording of motion detection whenever possible in order to record only meaningful images and not unnecessarily taking up memory when no action takes place in front of the lens.

Once exhausted the memory capacity of the micro SD card, the device will erase the recorded files by overwriting the oldest new recorded files.

In motion recording, DVR records video lasting 1 minute. In continuous recording generates consecutive files from 2 minutes.

Shooting Position

DK-BK1 recovers from a hole on the back straight which provides an image with the agenda as placed on the shelf of a bookcase.

The angle is approximately 80 ° and is not adjustable for which it is necessary to find a suitable position to provide a good angle of view.

Switching on and off of the device

To turn on the device hold the POWER button for 2 seconds. It turns solid blue LED. If there is no SD card, the blue LED will flash 10 times and then goes off to turn off the DVR hold the POWER button for a few seconds. In the absence of commands the DVR automatically shuts off after 1 minute.

Recording in motion detection with PIR sensor

The recording in motion detection is the most widely used because in this DK-BK1 mode records only in the moment in which occurs a movement in the field of view lens. Each movement creates a recording of a minute, after which, in the absence of movements, the DVR returns to rest conditions waiting for a new intrusion.

Unlike many of our other investigative products, DK-BK1 does not detect the intrusion according to image editing, but using an infrared sensor, as used in car alarms.

This allows DK-BK1 to consume very little current so as to remain in stand-by waiting for the intrusion even 2 years.

To start motion recording, you must turn on the DVR with the POWER button and then press the MD button. The red LED flashes 3 times to indicate the start of recording in motion detection mode, then turns off remaining access only to low brightness. Each detection lights for a moment the blue LED, then the red LEDs blink three times to indicate the start of recording. After starting the recording close the calendar and place it upright on a shelf. Do not place it behind the objects that may obstruct vision, or the operation of the detection sensor. To stop motion recording press the MD button and the device turns off.

continuous Recording

Continuous recording takes up a lot of storage space, but it is sometimes necessary when, for example, the uninterrupted audio recording is important, even if there is no motion in front of the lens.

In continuous recording, the DVR records Factory consecutive files for 2 minutes.

To continuously record you have to turn on the DVR with the POWER button and then press the REC button. The blue LED will flash 3 times to indicate the start of recording then goes out. To stop recording, press the REC button again, and the DVR will return to standby waiting for commands.

Viewing files on PC

To review and manage files recorded by the DVR you have to use a computer.

Connect the USB port of the DK-BK1 to a computer's USB port with the supplied cable.

Flick the switch REC position.

The device is detected in the computer's resources as a removable disk and behaves like a common USB stick. Depending on your operating system you may start an automatic procedure, or you'll have to explore your PC to find the new disc.

And 'possible to copy movies (AVI format) on your PC and play it with any video player (recommended VLC - VideoLAN).

E 'can play video files directly from the SD card, without copying them to your PC, but this may reduce the quality and flow of play so we recommend this only to preview and then download the files to your PC relevant.

PIR Sensor

The detection of the product of this movement is effected by a passive infrared sensor placed under the objective.

In order to function properly it is necessary that it can spread its detection in the room. For this reason, do not place objects that obstruct Whereas has an aperture of detection of approximately 60 ° .

infrared Illuminator

DK-BK1 is also equipped with an infrared illuminator place above the lens which allows monochromatic vision in the dark up to 6 meters.

The illuminator turns on by itself when it is being recorded and the lighting is not sufficient. Note that this DVR will automatically switch to B / W when the ambient brightness falls below 10 lux.

Setting the date / time and overwrite

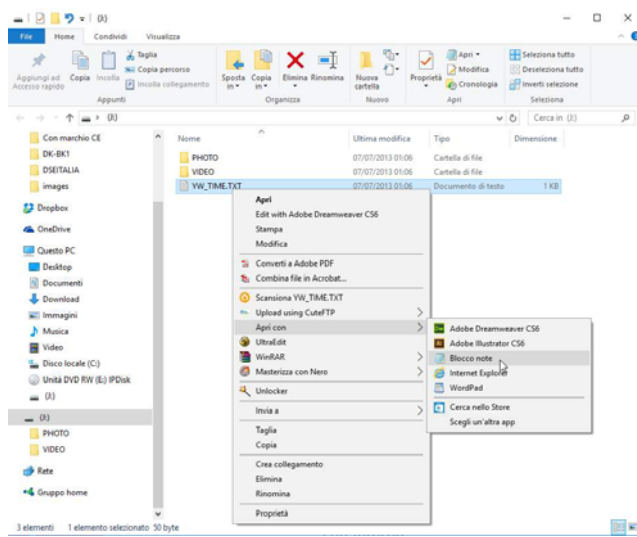
DK-BK1 sovraimprime on records the date and time it was captured. To adjust the date and time, and also define whether or not you want the automatic overwrite memory is full, proceed as follows.

Connect the DVR to your PC with the switch in the REC position. Explore with Windows Explorer the contents of memory as for playing video files.

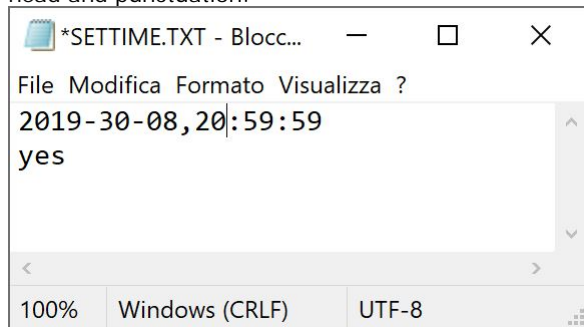
Memory Inside, next to the record folder, you will find a text file called:

SETTIME.TXT

Open it with a text editor such as NOTEPAD to write in it.



Overwrite the data as in the following statements without changing the shape of the text in any way, such as space, head and punctuation.



Provide the date in the format YEAR / MONTH / DAY.
The time fits with the two points as room dividers in 24h format

The last line of text can contain two values:

- yes = Enable overwrite memory is full
- no = Stop at full memory record

Save the file and disconnect the DVR from PC. Start immediately recording continues to record the correct time.

Main technical features

<Sensor	CMOS
maximum resolution	Full HD 1080p (1920x1080)
Frame rate	30 f / sec
Other resolutions avail.	-
video Format	AVI
photo Size	-
overlay	Time Date (not disabled)
Functions	continuous Recording Recording with PIR motion detector
IR Illuminator	Range 6 m.
PIR Sensor	Range 8 m.
TV remote	-
Video archiving maximum	About 4 hours of 32GB
Operating temperature	-5 ° to + 40 ° C
Memory	MicroSD Class 10 or higher
Memory Capacity	4..32 GB
Notifications	3 LED yellow / blue / red
Battery	10000 mAh
battery Life	30 hours recording 10 hours recording with IR 2 years standby in motion
Format video files	AVI
Supply	5VDC (USB cable included)
Weight	392 gr.
dimensions	215x145x40 mm