DK-HT3
Battery operated camcorder with video recorder

Product description The
DK-HT3 is a camera with SD card video recorder in a watertight and camouflaged case developed for outdoor surveillance. Includes a microphone for audio recording.

It is powered by 2 rechargeable batteries included and records on the internal SD card memory. SD card is not included.

Thanks to its infrared sensor, the camera remains in stand-by for a very long time consuming very little battery and starts recording only in the presence of movements.

The camera has an infrared illuminator with invisible LEDs that allows vision in the dark up to about 20 meters.

Inserting batteries DK-HT3
works with 2 rechargeable 18650 batteries which are supplied already included. They are recharged by connecting the device to a USB mobile phone power supply (not included). The camera has an autonomy of about 12 months in stand-by.
During recharging, it is recommended to keep the main switch in the OFF position.

Inserting the SD card The first
thing to do is insert the micro SD card into the appropriate slot in the DVR. To access the

SD card compartment it is necessary to open the door on the base of the camera.
Pay attention to the direction of insertion of the SD card which will slide into its seat only with the golden contacts facing the USB socket.

No SD card is included in the package, you need to purchase it separately.
It is possible to use any micro SD card with capacities from **4 to 32 GB in CLASS 10** or higher. A class 10 SD card has a write speed of 10 MB/s. Do not use slower speed SD cards as they may cause malfunctions.

Recording The
camera records audio and video in adjustable resolution 1080P (Full HD) with MJPEG compression. It can also take photos in 12MP resolution. 1 minute of Full HD 1080 video takes up about 150MB. A 32GB SD card will hold over 3.5 hours of video. The camera also records audio.

USB connection The
camera is equipped with a USB socket. If you connect it to a USB mobile phone charger (not included) the batteries are recharged. If you connect it to a PC, you can browse the recorded videos.

Motion detection with PIR infrared sensor The camera
records in motion detection, ie it records only in the presence of living beings in front of it.
The word living beings is not accidental because this camera does not use, like almost all our other systems, the modification of the pixels to detect the intruder but an infrared sensor like those used in burglar alarm systems which detects body heat. In this way the camera does not detect the movement of objects such as bushes or branches and, consuming very little in stand-by, it can wait for an intrusion for months.

The device records video files with a programmable duration from 5 to 30 seconds.

Positioning of the camera In shooting in a
natural environment, the position of the camera is essential for a good result.
The first thing you need to do is position the camera so that no sunlight is directed at the lens during the day.

The useful shooting angle is about 110°, like the PIR motion sensor.

It is advisable to position the camera to frame the path of the probable target for an extended period. For example, if you take a path again, you should take it almost parallel to the passage and not

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transversally to have a better chance of capturing significant images.

The motion sensor has a range of about 20 m so it is advisable to position the camera at a distance between 5 and 20 m from the target.

The camera is supplied with a fixing band and the back is shaped to be solidly anchored to a branch or tree.
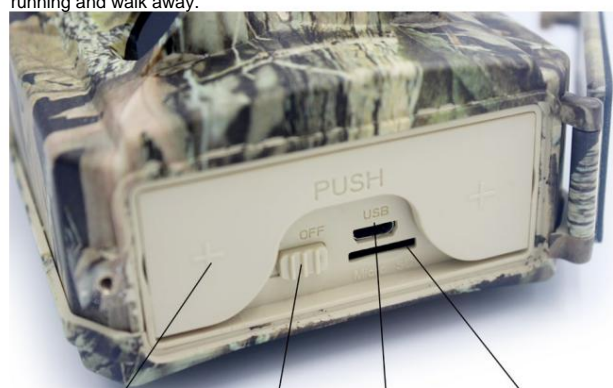
It is good, if possible, to position the camera at a height between 3 and 6 m in order to make it less visible and allow for a better angle of view.

Operation Using

this appliance is very easy. Just flip the switch to ON.

The front red LED flashes 3 times and then goes off.
Now the DVR seems to be off, but it is actually working and recording every event when there is an intrusion into the monitored area. You can leave it running and walk away.

18650 Battery Box   ON/OFF   USB Slot   Micro SD Card Slot

If moving the switch to ON, the front red LED stays on instead of going off, it means that the SD card is missing or not recognized.

Viewing Files on PC To review and

manage recorded files you need to connect the DVR to a PC with the included USB cable. The device is detected in my computer as a removable disk and behaves like a normal USB stick. It is possible to copy the videos to the PC and play them with any video player (VLC - VideoLan recommended). It is possible to play video files directly from the SD card, without copying them to the PC, but this could compromise the quality of the playback, so it is recommended only to get a preview, and then download.

Alternatively, it is also possible to extract the SD card and connect it to the PC using the adapter included.

Programming This

device does not have a keyboard and screen for configuration. However, you can set some options by creating a file with Windows notepad that you will call TIME.TXT. This file must be copied to the device memory and edited with this precise syntax:

2020-03-21 12:50:45 332Y

The first two elements of this string are the date (in the format Year/Month/Day) and the time. The final 4-digit number has this meaning:

FIRST NUMBERS
1 – Record photos only
2 – Record video only
3 – Record Photos and Videos

SECOND FIGURE
1 – Take 1 photo
2 – Take 2 photos
3 – Take 3 photos
4 – Take 4 photos
5 – Take 5 photos

THIRD FIGURE
1 – Record 5 second video
2 – Record 10 second video
3 – Record 20 second video
4 – Record 30 second video

FOURTH DIGIT
Y – Show Date and Time overlay
N – Don't show overlay

For example
332Y is the factory setting and means that the camera records 3 photos and a 10 sec video. Date and time superimposed on each measurement.

Once you have saved the file in the memory you must switch off power to the DVR by opening the battery door and removing the batteries for a few seconds for the settings to take effect. The settings will be retained as long as battery power is maintained in your location

Main technical characteristics

sensor	CMOS
Maximum video resolution	Full HD 1080p (1920x1080) 30fps Photo 12MP 4032x3024
Video format	AVI
Photo format	
Overlay	JPG Date time (excludable)
Functions	Motion recording Motion photo shooting + IR led photo 940 nm range 20 m.
IR illuminator PIR	
passive infrared motion detector, range 20 m.	Detection area 110° Over 3
Video storage	hours on 32GB at 1080P -30° +60°C
Operating temperature	
Memory	SD Class 10 or higher 4..32 GB
Memory capacity	2 rechargeable 18650 batteries
Diet	or external USB power supply 248 g (without batteries) 140x95x60 mm
Weight	
Dimensions	

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