

DK-HT2

Camera with battery camouflage VCR



Product description

DK-HT2 is a camera with a video recorder on an SD card in a watertight container and mimetic developed for outdoor surveillance. It includes a microphone for recording sound.

And it powered by AA batteries and SD card recording to internal memory. The batteries and SD card are not included. Thanks to its infrared sensor, the camera remains in stand-by for a long time by consuming very little battery and starts recording only in the presence of movements.

The camera has an infrared illuminator with invisible LED that allows viewing in the dark up to about 30 meters.

Inserting batteries

DK-HT1 works with normal AA batteries, both normal and rechargeable. They can put 4 or 8 depending on autonomy



that Yes it requires. With 8 batteries the camera has a range of about 7 months in stand-by.

Insert the SD Card

The first thing to do is to insert the micro SD card into this slot in DVR. To access the SD card compartment is necessary to open the front cover. Caution



to the sense of inserting the SD card that will slide into place only

with the gold contacts facing upward, as shown in the figure.

The package does not include an SD card, or the SD card reader for your computer that you must purchase separately.

E can use any micro SD card with a capacity of 4 to 64 GB 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 could lead to malfunction.

registration

The camera records audio and video in VGA resolution adjustable, 720P or 1080p in H264 compression. You can use any SD card (or micro SD card with adapter) with a capacity of 64GB. One minute of footage in Full HD 1080 takes up about 80MB. A



32GB SD card can hold up to 6 hours of video, a 64GB over 12 hours. The camera also records audio.

Motion detection with infrared sensor PIR

The camera records in motion detection, namely registers 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 most of our other systems, changing pixels to detect the intruder but an infrared sensor such as those used in alarm systems. This does not detect the movement of objects such as bushes or branches and consuming very little on standby can wait for months intrusion. The apparatus

records file Video of the length programmable from 1 to 120 seconds.

Configuration

The camera is controlled with the keyboard and internal monitor.



First, you notice that the device has two power buttons: TEST / OFF and ON

TEST / OFF - Press this button will launch the device in test mode. And the mode that is used to position the camera and set the functions. In this test mode, you can also record still images with manual controls. Pressing this button for 3 seconds to turn off the camera.

ON - briefly pressing this button will start the normal surveillance functionality of the camera that allows you to record in accordance with the detections of the front sensor.

in test mode settings

First you should start the unit in test mode to set operating options as needed and to position the camera. Press the red button TEST. The DVR will beep and will start up the on-screen setup menu.





To act in the menu using the arrow buttons and the central MENU button to save

MMS / SMTP

Not supported by this camera

CAMERA SETTING

MODE - Following the detection of the IR sensor the camera can: take pictures (CAMERA), record a video (VIDEO) or record both photo and video (VIDEO CAMERA +).

IMAGE SIZE - Set the resolution of photos taken from the DVR 1 to 12MP (4608x2592)

VIDEO SIZE - Sets the video resolution from 480P to 1080P. It's also available 1080P HDR (high dynamic range) for higher yield in the recovery of light and dark areas nell'inquadratura.

No SHOOTING - Indicates how many consecutive shots take as a result of an intrusion detection (1 to 5)

LENGTH VIDEO - Indicates the length of the video to be recorded following a survey (from 1 to 120 seconds)

MAX SHOOTING - Defines the maximum number of permissible intrusion detections per day (1 to 255). Set this to 0 if you want no restrictions.

AUDIO SETTING

PLAY SOUND - Enable audio recording

BOOT SOUND - Activate the sound signaling the start of the DVR

KEY SOUND - This button activates the sound signal when a key is pressed.

RIP SETTING

SENSITIVITY - Sets the detection sensitivity of the motion sensor
Infrared (PIR). Yes can be
recommend the AUTO setting, but in case of wrong measurements, you can set High, Normal, Low. Typically it requires high sensitivity in ambient temperature conditions over 30 °.

TRIGGER INTERVAL - Here you set a waiting time between any one of the sensor detection and the next (from 1 to 59 seconds or from 1 to 60 minutes). And 'useful if you do not need to document every movement, but simply a movie / photo every time.

TIME AND DATE

TIME FORMAT - Sets the time format in 12 or 24 hours

DATE FORMAT - Set the writing date format, usually in Italian DD / MM / YYYY

TIME SETUP - Here you manually insert the current date and time. The first number is the time zone, which is set to +1 in Italy

TIME ZONE SETTING - Not required on this model does not support NTP.

TIMER SETTING

TIMER SHOOTING - Enables the detection control based on time of day. If this function is enabled the sensor detection will only be active during the time slots that are set below.

TIME LAPSE - If you enable this function, the motion sensor is excluded and the DVR performs only one survey a day at a time that can be set.

TIMER 1-4 - You can set 4 daily time slots in which to enable the detection

REPEAT - It's possible to exclude one or more days of the week by the recognition

SETTING NIGHT VISION

NIGHT VISION MODE - Here you set the night vision mode. Normally, the parameter must be maintained to AUTO so that the camera resumes at day and night colors white / black exploiting its IR illuminator. For special situations, it is always possible to force the color camera, without IR illuminator (DAY) or always in B / N (NIGHT).

WHITE LED - This parameter should be kept OFF because this camera does not use white LEDs but infrared.

USER INTERFACE STAMP

ON / OFF - Enable overlay in photographs of the equipment information, such as the camera name, date, etc.

PASSWORD

ON / OFF - If you enable the password it will be required to log in the test operation mode.

TF CARD FORMAT

In this situation it formats the SD memory card erasing all the content

TF CARD CYCLE

ON / OFF - If this option is set to ON, once out of space in memory, the DVR will continue recording over the oldest data. If this option is set to OFF, the DVR will stop when run out of space in memory.

DEFAULT SETUP

This option restores the factory settings of the DVR

VERSION

Show the data on the product version

Positioning the Camera

In the natural environment filming the camera position is key to a good result. As first thing the camera must be positioned in such a way that the sunlight is not direct against the target in the day.

The angle range is about 50 ° and also the PIR motion sensor has approximately 50 ° of action spectrum. It is advisable to position the camera so as to frame the route the likely target for an extended period. For example, if you take a path should resume in an almost parallel to the transverse passage and not to have more chances to capture significant images.

The motion sensor has a range of about 20 m so it is good to place the camera at a distance of between 5 and 20 m from the target. The camera is provided with a fixing band and the back is thought to be solidly anchored to a branch or a tree.

It's well, if possible, place the camera at a height of between 3 and 6 m in order to make it less visible and to allow a better view angle.

Camera attachment

When you find the right placement for the camera, press the red button to start test mode. If you have not already done so in the menu you set your favorite recording functions as indicated in the previous paragraph.

To see exactly the center of the framed area, this camera is equipped with a laser pointer that is

activated by pressing the LASER button. It fixes the camera in such a way that the pointer is positioned in the center of the area to be shot.

Once fixed the camera, always in TEST mode, you can verify the good detection of the motion sensor looking at the front red LED flashing at every detection.

Remember that the PIR sensor detects an abnormal temperature that moves so you will not detect if it remains in a stationary position.

If the application allows it, on the base is a standard photographic thread for a tripod.

Once the device is firmly attached, close the tin lid, taking care that the gasket is securely housed in its seat so as to ensure the impermeability.

Adjustments TEST mode

The test mode, as well as allowing to better position the camera, allows the following functions.

- REVIEWING THE RECORDINGS - Press the OK button
- CONFIGURE OPTIONS - MENU button and arrows
- ACTIVATE LASER - LASER Button
- HOW TO REGISTER IN SURVEY - Button SHOOT
- QUICK CHANGE METHOD 'REGISTRATION - Buttons PHOTOS / VIDEOS

Start mode REAL

Once you configured and positioned the device can boot the its normal operation by pressing

Briefly green ON button. You can press the green button or with the device switched off in test mode. The front LED flashes for about 5 seconds and then remains lit for 2-3 seconds and then turns off. Now the DVR appears to be off, but it is actually in operation and records every event on the occurrence of an intrusion in the monitored area. You can let it run and get away. During the actual operation of the device does not emit any sound or brightness.

Local Playback of movies

You can review movies and photos directly on the DVR screen. Open the DVR and turn off by holding down the red button OFF. Press again the red button to start in test mode.

Review your movies with the OK button. You can fast forward or slow motion with the left / right buttons

Viewing files on PC

To review and manage files recorded by the DVR you can use a PC and a reader for SD card (not supplied). We must shut down the DVR, remove the SD card and insert it into an SD card reader to the computer.

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 on your PC and play them back with any video player (recommended VLC - VideoLAN).



E 'can play video files directly from the SD card, without copying them to your PC, but may affect the quality of play so it is recommended only to preview, then download.

Connection to PC

You can review movies even recorded without removing the SD card by connecting the DVR to a PC via the mini USB port with the supplied cable. You can explore the contents of memory directly with Windows Explorer.

Main technical features

Sensor	CMOS
maximum resolution	Adjustable Full HD 1080p (1920x1080) 30 f / s HD 720p (1280x720) 30 f / s VGA (640x480) 30 f / s
video Format	MP4
photo Size	JPG
overlay	Time Date (excluded)
Functions	Recording motion pictures Motion Capture + Photo Timelapse
IR Illuminator	LED IR 940 nm flow rate 30 m.
motion detector	Passive infrared, range 20 m. Detection area 50 °
Tests performed at time slots	It strips + 4-day week
video Archiving	Over 12 hours 64GB 1080P
operating temperature	- 30 ° + 70 ° C
Memory	SD Class 10 or higher
Memory Capacity	4.64 GB
Monitor	Built 2 "TFT
Supply	4 or 8 AA batteries or external power supply 6VDC
Weight	248 gr (without batteries)
dimensions	140x95x60 mm