

DK-WP2

Camera and VCR in wall clock



Product description

DK-WP2 is a wall clock 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-WP2 can operate connected to a power outlet or powered from its own internal battery.

Operating as a real watch

To avoid arousing any suspicion of the DK-WP2 is a real working clock. You must enter a AA battery (not included) in the rear seat and adjust the time with the wheel, as with a normal wall clock. The battery that you

fit for the operation clock has no function in the power of the camera.

Supply

DK-WP2 can run either on AC power or battery power.

The supply current guarantees Obviously shooting range without but limits It needs an outlet nearby where



insert 220V / 5VDC supplied adapter.

Alternatively, it is possible to use only the power supply to recharge the battery and then to operate the apparatus in an autonomous way.

Charging the internal battery

DK-WP2 is equipped with a 4200 mAh built-in battery that allows the DVR to record for 8 consecutive hours even in the absence of mains power. The battery is always connected so that you can turn on the DVR with

remote control in any moment. With battery fully charged, the DVR can also listen for commands for two months before exhausting the battery.

The battery is charged when supplied, but it has a 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 power supply to the socket. To avoid that the DVR starts recording, execute the charging operation without SD card inserted. There are charging reports finished. The charging stops automatically to its completion that takes place in a few hours.

If the DVR is turned off for a long time and only occasionally used should compete perform a recharge every month to prevent over-discharge damages the battery.

Inserting the micro SD card

To register you must insert a micro SD card into the slot on the back of the watch. E 'can use micro SD card with a capacity of 4 to 128 GB CLASS 10 or higher. An SD card class 10 has a write speed of 10



MB / s. Do not use the SD card with a lower rate because it would lead to malfunction. Attention to the direction of insertion of the SD card that will slide in its seat only with the gold contacts facing downwards, as shown in the figure. 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, or the SD card reader for your computer that you must purchase separately.

LED and TV out

DK-WP2 is also equipped with a rear marking LED and video output to which you can connect an external monitor via RCA cable supplied (see below).



The signaling LED is very important because it makes you understand the status and this way we can know that commands impart.

STATE OF THE LED	MEANING
SOLID GREEN	DVR is on the stand-by, waiting for commands
3 FLASHING RED LENS	Registration motion
2 FLASHES GREEN LENSES	continuous Recording
3 FLASHING RED FAST	off Confirmation
GREEN FLASHING	Missing SD card
GREEN / RED FLASHING.	Failure SD access
1 FLASHING RED	Taking photos

Resolution / archive / overwrite

DK-WP2 is able to record audio and video in Full HD 1080P 1920x1080 @ 30 f. The recording takes up about 100MB so for each GB of SD card capacity can store a Full HD 1080P minutes of continuous recording. A 32GB SD card can hold more than 5 hours of video. 32GB over 20 hours. Obviously it is advisable to use the recording of motion detection, where possible, in order to record only

images significant and not occupy unnecessarily 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 it generates files for 10 minutes.

Shooting Position

DK-WP2 recovers from a place near the front hole at 6 o'clock which provides an upright image with the clock normally hung on the wall.

The angle is not adjustable for which it is necessary to locate the clock a suitable position to provide a good angle of view.

IR Remote Control

DK-WP2 check with the infrared remote control that should be pointed toward the receiver placed at 3. The button function as follows:



A - ON / OFF

B - Start recording continuous C - I shoot

D - Start recording motion E - Opens the OSD menu on the external monitor

F - Playing back recorded movies on an external monitor G - OK button in the OSD

H / I - Buttons move in the OSD

Recording in motion detection

The recording in motion detection is the most widely used because in this DK-WP2 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.

If you use the DK-WP2 with mains power, it starts recording in motion mode automatically when it is connected to power.

First, to become familiar with the device, experience this guy of operation.

CURRENT RECORD IN MOTION

1 - Enter the DK-WP2 power adapter into the socket

2 - The DVR will automatically turn on and the signal is green LED lights up for 1-2 seconds.

3 - The Motion recording starts automatically. The red LED flashes 3 times slowly. This signals the start of the motion recording.

4 - To stop motion recording, press the D button on the remote. The LED returns to solid green, indicating that the appliance is on standby waiting for commands

5 - Press the A button to turn off the DVR. The red LED flashes for 3 times quickly to confirm the shutdown.

RECORD IN MOTION A BATTERY

1 - After turning off the DVR as seen in step 5 above, disconnect the power supply of the DK-WP2 from the socket.

2 - Press the A button on the remote to turn on the DVR. The Indicator LED lights green for 1-2 seconds.

3 - The Motion recording starts automatically. The red LED flashes 3 times slowly. This signals the start of the motion recording.

4 - To stop motion recording, press the D button on the remote. The LED returns to solid green, indicating that the appliance is on standby waiting for commands

5 - Press the A button to turn off the DVR. The red LED flashes for 3 times quickly to confirm the shutdown.

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 from 3 minutes (can be changed in configuration). To continuously record proceed as follows:

1 - Allow the start of the motion recording as above. The red LED flashes three times slowly.

2 - Stop motion recording, press the D button on the remote. The LED returns to solid green, indicating that the appliance is on standby waiting for commands.

3 - Press the B button to start the recording continues. The LED flashes green for 2 times slowly. This signals the start of the continuous recording.

4 - To stop continuous recording, press the B button on the remote again. The LED returns to solid green, indicating that the appliance is on standby waiting for commands

5 - Press the A button to turn off the DVR. The red LED flashes for 3 times quickly to confirm the shutdown.

Take pictures

DK-WP2 can also take pictures based on commands from the remote control. The photos are saved in JPG format with 2560x1920 resolution (5MP) To take pictures, proceed as follows:

1 - Allow the start of the motion recording as above. The red LED flashes three times slowly.

2 - Stop motion recording by pressing the D button on the remote. The LED returns to solid green, indicating that the appliance is on standby waiting for commands.

3 - Press the C button to take the picture. The LED flashes red for the first time. This signals that the photo was taken and stored in memory. The solid green LED returns at last to report the stand-by condition.

4 - Press the A button to turn off the DVR. The red LED flashes for 3 times quickly to confirm the shutdown.

Viewing files on PC

To review and manage files recorded by the DVR you can use a computer and a



reader for SD card (not supplied).

We must shut down the DVR with the A button, remove the micro 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 sound quality and flow of play so it is recommended only to preview, and then download to your PC the relevant files .

Connect the DVR to a monitor

The DVR is equipped with a video output to connect an analog monitor. IS' provided the adapter cable

minijack / RCA. You can connect a monitor with analog input or analog AV input of a TV. To connect the monitor you must first take care to turn off the DVR with the button A. The LED will flash 3 times quickly to confirm the shutdown. Then connect the monitor and press the button to start the DVR.



The live camera image appears on the screen. the icons in overlay show the state unit.

In this condition you can also record you take pictures with the usual buttons.

programmable Options

Through the TV monitor connected to the video output of DVR you can access the OSD menu that allows many programs. To open the OSD menu, press the remote control E (MENU button).

In the menu you can move with the arrow keys and the OK button.



RESOLUTION - Set the recording resolution. The factory is set to 1080P (Full HD 1920x1080) but you can also choose the resolution, 720P and 480P if you want to increase the video archive ability. It 'also available in 720P resolution 60 f / sec to better capture even fast-moving images.

TIME STAMP - E 'can decide whether to superimpose the shooting date and time, only the date or even nothing. LOOP RECORD - Defines how to act the DVR once filled the memory card. Leaving this set to ON, the DVR will continue recording over the oldest files while choosing OFF stop recording.

VIDEO TIME - Sets the duration of the video files in continuous recording (1-3-5 minutes) AUDIO RECORD - Set whether or not to record audio along with the video EV - Adjusts the exposure by plus or minus depending on shooting

MOTION DETECTION - Adjusts the sensitivity of the motion detection (3 levels)

SETUP - Here you set various general parameters



FORMAT - Format the SD card and delete all the data it contains. This step is not necessary to record to the SD card.

LANGUAGE - Allows you to choose the menu language. TV OUTPUT - Selects the TV video output format (NTSC or PAL in Europe)

LIGHT FREQ - Selects the video output frequency 50 / 60Hz

DATE FORMAT - Defines the date format. Normally in Italy DD / MM / YY

DATE / TIME INPUT - Here you set the date and time current

SYS RESET - Allows you to restore the factory configuration.

Playback TV monitor

Across the connecting to the monitor can play movies stored in memory by pressing the PLAYBACK button

Abnormalities

The DVR does not respond to commands

It can happen if you are sent inconsistent commands, or too quick to DVR. Press the RESET button next to the SD card, for a few seconds.

The files do not reproduce properly on PC

For example, I hear the sound but no picture, or I get an error message playback. This is due to the normal video player used. Download VLC from <http://www.videolan.org/vlc/>

Main technical features

Sensor	CMOS
maximum resolution	Full HD 1080p (1920x1080)
Frame rate	30 f / sec
Other resolutions avail.	720P @ 30f / s 720P @ 60f / s 480P
video Format	AVI
photo Size	JPG 2560x1920 (5MP)
overlay	Time Date (excludable)
Functions	Registration Continuous recording motion pictures Taking
TV remote	Capacity 10 m.
Archiving video maxim	About 20 hours on 128 GB to 1080P
Temperature of operation	- 5 ° + 40 ° C
Memory	MicroSD Class 10 or higher
Memory Capacity	4. 128 GB
Notifications	LED green / red
Supply	5VDC (220V AC adapter)
internal Battery	4400 mAh
battery Life	8 hours recording 2 months standby
Weight	1800 g
dimensions	350x45 mm