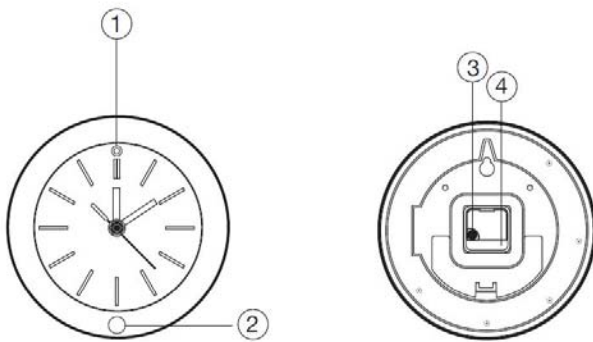# DK-WP4-DVR

Camera and video recorder in wall clock
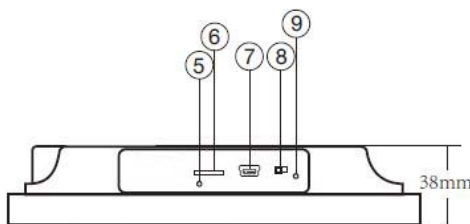

Product description

DK-WP4-DVR is a video recorder equipped with a camera integrated in a working wall clock.

1. Target
2. PIR presence detector
3. Clock time adjustment
4. AA battery compartment for clock

5. Reset button
6. MicroSD card slot
7. USB port for charger
8. Camera power switch
9. Status LED

Use as a watch

DK-WP4-DVR is an investigative camera but it is also a real wall clock perfectly functional so as not to arouse any suspicion.

To adjust the clock, do the following:
1. Insert an AA battery into compartment 4
2. Turn the wheel (3) to adjust the time

Battery powered

The camera is able to operate with only the power supply of its internal 3Ah battery which allows about 6 hours of recording. To save the battery, the camera has a front presence detector (2) which warns the camera of the presence of people in the room. Thanks to this sensor, the camera normally remains in Stand-By when there are no people, consuming very little battery and starts recording only when an intrusion is detected.

The internal battery allows the camera to have a stand-by autonomy of over 4 months.

Mains power supply

The DVR can also operate on mains power with the included 220V / USB power supply.

In this case, the USB cable is kept connected even during operation. The LED (9) lights up during charging.

Movie storage

The video files are stored on a micro SD card (not supplied).The movies have Full HD 1920x1080 resolution at 25 f / sec. and are saved in MOV format with H264 compression

It is possible to use micro SD cards of any brand up to 128 GB of capacity.

1 hour of recording occupies an average of 6.6GB so on a 128GB SD card you can hold over 19 hours of recording hours.

Obviously, thanks to the presence detector, the DVR can monitor the room for much longer because it records only in the presence of people.

Once the memory has run out, the DVR will automatically overwrite the oldest files if programmed in this way in the configuration.

Inserting the micro SD card

The first thing to do is insert the micro SD card into the appropriate slot in the DVR (6)

It is possible to use micro SD cards with capacities up to 128 GB in CLASS 10 or higher. For added security, it is advisable to format the microSD card in FAT32 with a computer before inserting it into the DVR.

A class 10 SD card has a write speed of 10 MB / s. Do not use SD cards with slower speeds as they will lead to malfunctions.

Pay attention to the insertion direction of the SD card which will slide into its seat only with the gold contacts facing the reset button.

No micro SD card is included in the package.

Internal battery charging

Before using the device, it is advisable to fully charge the battery. To do this, connect the USB port of the DVR to the computer or to the USB power supply with the cable supplied.

Full charging takes several hours depending on the initial charge state. We recommend that you comfortably let the charging complete overnight.

Next to the USB socket there is a LED (9) which lights up during charging.

Registration

To record, all you need to do is turn switch 8 to the ON position. The camera will operate and record for 3 minutes

each time the front PIR sensor is detected. When no human presence is detected in the room, the camera goes into stand-by and waits for a new intrusion.

Movie playback on PC

A computer and SD card reader (included) is required to review and manage the files recorded by the DVR.
You need to turn off the DVR with the ON / OFF switch. remove the micro SD card and insert it into a computer SD card reader.

It is possible to copy the videos to the PC and play them with any video player (VLC - VideoLan recommended).

ATTENTION: It is not possible to download the files through the USB cable of the DVR because this is used only for recharging / powering the device.

Date and time setting and options

To set the system date and time and to configure the operating options, a text file called TIME.TXT is used, which you will find in the root directory of the SD card after making recordings. If you open it with notepad you will see this content:

Resolution = 0; (0 = 1080P, 1 = 720P; 2 = 480P)
Audio_Record = 1; (0 = Off, 1 = On)
Loop_Record = 1; (0 = Off, 1 = On)
Record_Time = 1; (0 = 1min, 1 = 3min, 2 = 5min, 3 = 10min)
Motion_Level = 0; (0 = highest, 1 = high, 2 = middle, 3 = low, 4 = lowest)
Motion_Time = 1; (0 = 1min, 1 = 3min, 2 = 5min, 3 = 10min)
Date_Stamp = 1; (0 = Off, 1 = On)
Time_set = N2020 / 01/01 00:00:00; (Y = change N = No change)

Each option has its factory choice alongside, for example the resolution is equal to 0, which means 1080P
You can change each option by following the directions on the side
RESOLUTION - Sets the resolution of the recording, factory default 0 = 1080P
AUDIO RECORD - Sets whether to record audio, factory default 1 = audio active
LOOP RECORD - Sets the automatic overwriting when the memory is full, factory 1 = active
RECORD TIME - Sets the duration of the video in continuous recording, factory 1 = 3 minutes
MOTION LEVEL - Sets the sensitivity of the motion detection, factory default 0 = maximum
MOTION TIME - Sets the duration of motion recording videos, factory default 1 = 3 minutes
DATE STAMP - Enables the overlay of date and time, by default 1 = enabled
TIME SET - Set date and time as in the following example
Time_set = Y2020 / 09/26 19:15:00; (Y = change N = No change)

The appliance will accept the new settings at the next start. Be careful not to change the punctuation and spaces in the file or the settings will be invalid. Note that the time

setting is only valid for a switch on as the appliance is not able to keep it from switched off.

Main technical characteristics

Sensor	CMOS
Maximum resolution	FullHD 1080p (1920x1080)
Frame rate	30 f / sec
Video format	MOV (H264 compression)
Overlay	Date time (excludable)
Functions	Recording on PIR detection
Audio microphone	Incorporated
Video storage	About 19 hours on 128GB at 1080P
Operating temperature	-5 ° + 40 ° C
Internal battery	3Ah 4 months in stand-by
Memory	MicroSD Class 10 or higher
Memory capacity	4..128 GB

CE