skyVac® Recordable Inspection System

Gutter Inspection Camera

CONGRATULATIONS ON YOUR PURCHASE

Capture pictures and videos of high-level projects. Ideal for pre-site surveys, before and after footage, social media content - along with the confidence and evidence of a job well done. With a large colour monitor for clear visibility, instant and long-range connection, the camera, and monitor are quick and easy to use.

NO Wires, NO Apps and NO Wi-Fi Required.

System Overview:

SkyVac® Recordable Camera System Components:

Monitor / Camera / In car Adaptor / Plug Adaptor / USB charging cables x 2 / 8GB TF card (in monitor) / Multi-Functional TF Card Reader / 1 x wide base bracket (Black—monitor) / 1 x Horse shoe clip (Grey—Camera) / Padded camera Case.

4.3 Inch Monitor & antenna

Camera

Protective Camera Case

Plug adaptor

Multi-functional TF card reader

1 x 8GB TF card

2 x USB charging cables

In car adaptor

1 x Wide base bracket

1 x Monitor Spring Clip

Table of Contents:

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System Overview:

ANTENNA

SCREEN 4.3"

RUBBER LID TO PROTECT PORTS

POWER LIGHT INDICATOR

FUNCTION BUTTONS

115mm

135mm

Weight of Monitor: 165g

LENS

AERIAL

58mm

Vac-Cam

BRACKET

130mm

Weight of Camera: 100g

Camera Overview:

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CAMERA LENS

PROTECTIVE RUBBER BOOT

POWER CHARGING INDICATOR

AERIAL

LED LIGHT

BRACKET

USB CHARGING PORT

POWER ON/OFF

Monitor Overview:

signal strength
camera battery
time
monitor battery
TF card slot

2022/04/23 14:59:45

4.3"

ANTENNA

SUNSHADE

📷 CAMERA
▼ NAVIGATION

▶ PLAY BACK MODE
☰ MENU

🎥 VIDEO
OK OK / PLAY / PAUSE

🔍 ZOOM
▲ NAVIGATION

☀ CAMERA LIGHTS
⏻ POWER / DELETE

POWER LIGHT INDICATOR

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CHARGING BATTERIES:

The integrated battery on both the Camera and Monitor, will come partially charged. We recommend fully charging both items before first use using the USB cable provided. No harm will come to the lithium-ion battery if used prior to a full charge.

Use the charging cables, with the wall / in-Car charger supplied.

Camera Charging Port: is concealed under the protective rubber flap on the base of the camera.

Monitor Charging Port: is concealed under the protective rubber flap on the side of the monitor.

- Insert the cable into the charging port.

- The light will remain on during charging

- Once fully charged, the light will go out.

NB: Batteries are integrated within each system. To update your battery, please contact your SkyVac® provider.

Ensure both camera and monitor are switched off prior to charging for the fastest results.

WEATHER PROTECTION:

The system is IP64 weather rated, capable of with standing light showers. Please ensure that the camera's protective rubber boot, and the monitor's protective flap are securely fixed in place.

> **WARNING:** Using a charger other than those supplied could potentially damage the battery and could result in fire or leakage. Only use chargers marked: output 5V 1A. If you do not know the voltage and current of your charger, use the included USB cable to charge the camera from your computer .

> **WARNING:** Use caution when using your SkyVac Recordable Camera system, please take note of your surroundings to avoid injury to yourself and others. Abide by all local laws including all privacy laws, which may restrict recording in certain areas.

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INSERTING + REMOVING MICRO SD CARDS:

The SkyVac® Recordable Camera system is compatible with microSD, microSDHC, and microSDXC memory cards with a capacity up to 64GB. We recommend using a microSD card with a minimum rating of Class 10 or UHS-I.

TF CARD SLOT
RESET BUTTON
LIFT RUBBER FLAP UP
CHARGE INDICATOR
USB CHARGE PORT

Insert the MicroSD Card:

Slide the memory card into the slot with the label facing the monitor.

NOTICE: Use extreme care when handling memory cards. Avoid liquids, dust and debris. As a precaution, power off the camera before inserting or removing the card.

Remove the MicroSD Card:

Push your fingernail against the edge of the memory card, and push gently.

Once released, the card will spring out slightly, allowing it to be removed.

Ensure protective flap is securely closed.

Attaching the Antenna:

Insert the Antenna into the hole on the top of the monitor. Screw clockwise to tighten, and anticlockwise to remove.

Live Action / Play Back Mode:

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TWO OPERATING MODES:

The system has TWO operational Modes.

- **LIVE ACTION MODE:** Real time Viewing.
- **PLAY BACK MODE:** Video / Image playback

Getting Started:

POWERING ON & OFF

The monitor and camera system come already paired. Once both systems are turned on, the monitor will automatically display the picture transmitted by the camera.

CAMERA: Power On

Remove the protective rubber boot.

Press and hold the POWER ON button at the back of the camera.

Power indicator light will flash green to indicate "Power On" and continue to flash intermittently whilst in use.

Replace the protective rubber boot.

MONITOR: Power On

Press and hold the POWER / LIGHTS button on the monitor.

The power indicator light will display a red light.

The Monitor will display:

1. NO SIGNAL icon if camera is switched off.

2. View from camera, if camera is switched on.

CAMERA: Power Off

Remove the protective rubber boot.

Press and hold the POWER ON button at the back of the camera.

Power indicator light will go out.

MONITOR: Power Off

Press and hold the Power button on the bottom corner of the monitor.

Both power indicator light and monitor will switch off.

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CAMERA MOUNTED LED LIGHTS:

To help you see in dark places, the camera features four LED lights around the lens with a range of 2 Metres which can be activated from both the camera and the monitor.

CAMERA:	MONITOR:
Camera LEDs: Power On/ Off	**Camera LEDs: Power On / Off**
Remove the protective rubber boot.	Short Press to the POWER / LIGHTS button.
Short Press on the power button at the back of the camera.	Camera LED Lights will come on.
LED Lights will come on.	To turn off, short press of the power button, and the lights will go out.
To turn off, short press of the power button, and the lights will go out.	

3 x ZOOM FUNCTION:

To take a closer look, the SkyVac® recordable camera system features a zoom function which can be controlled from the monitor.

Press ZOOM / ARROW Button to zoom in / out.

ADJUSTIBLE CAMERA FOCUS:

The camera features a manually adjustable lens so you can adjust the focus to suit your working distance.

To alter, twist the lens clockwise / anti clock wise to match the field of focus required.

TOP TIP: To achieve the perfect view for in gutter clearance. Attach the camera to the neck of your tool holder (with end tool in place), place the tip of your end tool on the ground. Ensure the camera monitor is on, and focusing on an area on the ground, adjust the lens until the correct focus is achieved.

RECORD A VIDEO:

The SkyVac® recordable camera system captures MP4 video files. Video files have a 2 minute maximum file size. During continuous recording, the system will automatically save files as 2 minutes MP4 files.

> **AUDIO:** Whilst in video recording mode, the camera captures sound as well as film footage. As the monitor does not have speakers, audio playback is only accessible on external devices with speakers.

1.   To capture video, press the VIDEO/OK button.

2.   The monitor will display REC on the screen.

3.   To stop recording, press the VIDEO / OK button again.

TAKE A PHOTO:

Capture before and after photos in JPEG format.

1.   Press the photo button.

2.   The monitor will display CAPTURE on the screen.

Play Back Mode:

TO VIEW FILES / VIDEOS & PICTURES:

To view documents stored on the MicroSD card on the monitor, the system needs to be in PLAYBACK mode which can be accessed via the MENU /PLAY BACK button.

1.   The Monitor will display a DCIM Folder Icon.

2.   Select VIDEO/OK to access the files.

3.   The monitor will display image "Tiles" on screen.

4.   VIDEO Icon denotes video / PHOTO icon denotes photos.
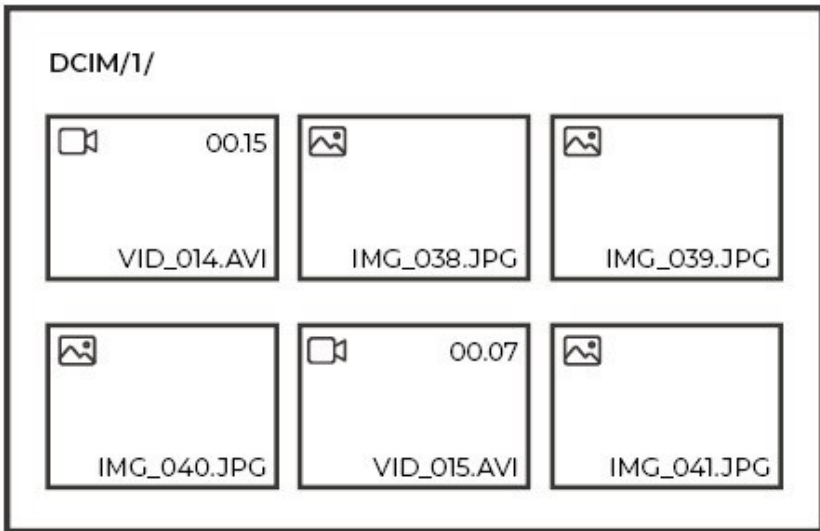
5.   Use the UP/ DOWN buttons to move CLOCK-WISE / ANTICLOCKWISE through the files.

6.   An orange outline indicates where the cursor is.

## Play Back Mode:

DELETE VIDEOS & PICTURES:

Navigate to the video or image you wish to review. An orange out-line indicates which file has been highlighted.

1. Navigate to the file you want to delete. Once the file is se-lected (indicated by the orange outline).

2. Press the POWER/ LIGHTS button to delete the file.

3. To confirm press the OK/VIDEO button

DELETE FOLDERS ON TF CARD:

1. In the SETTINGS mode.

2. Select FORMAT, and navigate using the arrows to the DE-LETE ALL DATA.

3. Select OK/VIDEO to confirm.
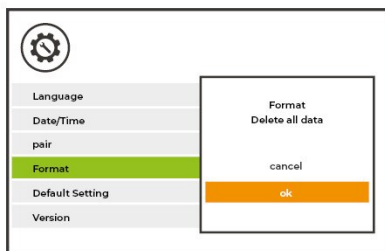
System Overview:

FOR SYSTEMS ACCESS:

To access the SETTINGS, Press and hold the MENU/ PLAY-BACK Button. In this section, you can change the system set up.

SETTINGS

1. **LANGUAGES**

2. **DATE / TIME**

3. **PAIR**

4. **FORMAT**

5. **DEFAULT SETTING**

6. **VERSION**

Navigation:

Use the UP/DOWN arrows to navigate through the section.

Use the OK/ VIDEO button to select the action re-quired.
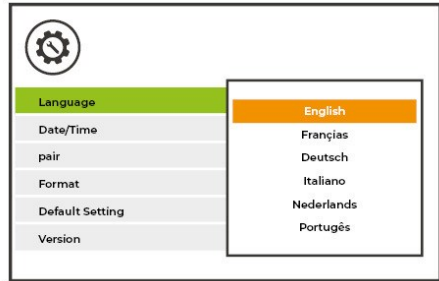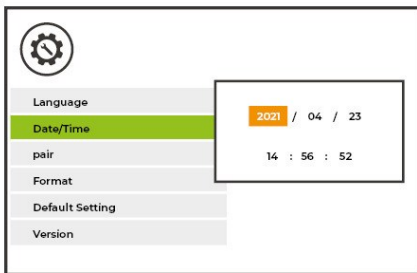
Play Back Mode:

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1) LANGUAGES:

There are 8 menu languages:

1) English 2) French 3) German 4) Italian 5) Dutch 6) Portuguese 7) Spanish 8) Norwegian

Use the UP/DOWN arrows to Navigate. OK/ VIDEO to select.

## 2) DATE & TIME:

3) PAIR SYSTEM:

3) PAIR SYSTEM:

The camera and monitor system are supplied "paired".

Using this setting you can cancel the existing pairing.

- CANCEL PAIRING: With both Camera and Monitor switched on, navigate to CANCEL and select ok. The monitor will display NO SIGNAL display on the screen.

- TO PAIR: With both the unpaired Camera and Monitor switched on, navigate to PAIR and select ok. Once paired, the monitor will display the image shown by the camera.

4) FORMAT: See Delete Pictures
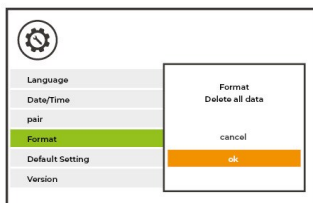
5) DEFAULT SETTING:
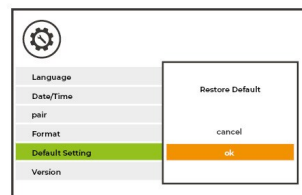
PLAYBACK: VIA DESKTOP, TABLET & MOBILE:

To view or share images captured via SkyVac® Recordable Camera on another device such as a desktop, tablet or phone, you will need to use the multi-functional TF card reader.

- Remove the TF card, from the side panel of the monitor.

- The card reader features a dual TF reader, (top section) and USB port (bottom section).

- Insert the TF card into the top section, of the USB port. Ensure that the card is facing upwards, with the edge lip exposed for easy removal.

- Insert the appropriate connection, into the port of your chosen display device.

IPHONE:

Compatible with iPhones operating IOS8.0 and above, to access files, you will need to install the **FREE iUSB App** from the App store. Once installed, the App will automatically launch each time the card reader is inserted.

- Insert lightning port into base of iPhone.

- The following message will appear on screen "IUSB PRO – iUSB Pro would like to communicate with the iUSB."

- When prompted allow access.

- The screen will display the DCIM folder. Select the folder and proceed to the next screen displaying a folder (100SONIX).

- Select the folder 100SONIX and then file, rename, view, edit and sort images and videos as required.

- To copy or email images.

- Select "Action" from the options displayed at the bottom on the iPhone screen.

- You will be given the option to email, or add images to camera roll.

ANDROID:

Ensure when connecting to Android devices, that the OTG function has been enabled to allow the TF card to be accessed.

Please confirm the compatibility of your Android device.

SkyVac® Recordable Camera system is not compatible with older Android devices.

CAMERA & MONITOR ATTACHMENTS:

The system is supplied with TWO brackets 1) To attach the camera to pole neck 2) To attach monitor to suction pole base

CAMERA: Grey Bracket

Suction Poles.

Slot the base of the camera bracket over the stud on top of the horse shoe clamp. Tighten the lever to secure in place.

Slide the horse shoe camera bracket around the neck of the tool holder (as shown).

Adjust the camera angle as required using the screw adjuster.

Inspection Poles.

Slot the base of the camera bracket over the stud on top of the camera mount. Tighten the lever to secure in place.

(Camera Mount stud—not included)

FOR WIDE BASE BRACKET TO ATTACH TO SUCTION/ INPECTION POLE

FOR TELESCOPIC GRIP (SOLD SEPARATELY)

MONITOR: Black Bracket

Suction / Inspection Pole

Screw the wide base bracket into the top hole on the back of the monitor.

Slide the bracket around the neck of the suction pole / inspection pole at eye level.

System Specification:

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Camera VET001	
Item	**Specifications**
Image Sensor	1/4" (Inch) CMOS—
Focus	Manually Adjustable
Effective Pixels	640 x 480 Pixels
View Angle	45 Degree (°)
Transmission Frequency	2400~2483 MHz
Modulation Mode	GFSK
Unobstructed Effective Range	50 Metres
White LED light range	2 Metres
Power Supply	5V VDC
Charge Time	2.5 Hours
Working Time (full charge)	3(LED OFF）/ 2.5(ON) Hours
Operation Temperature	-10~+50/+14~+122 ℃/°F
Dimensions	130 x 30 x 58
Weight	100 Grammes

Monitor VER002	
Item	**Specification**
Screen Size	4.3" (Inch) TFT LCD
Display Resolution	480 x 272 Pixels
Unobstructed Receive Range	50 Metres
Modulation Mode	GFSK
ZOOM	3 Levels
Memory	T-Flash card
Power Supply	5V VDC
Picture Format	1920 x 1088 pixels / jpeg
Video Format	800 x 480 pixels / MP4
Charge Time	3 Hours
Working Time (full charge)	3 Hours
Operation Temperature	-10~+50/+14~+122 ℃/°F
Dimensions	115X30X135
Weight	165 Grammes