

USER GUIDE



Vers:1.01

Thank you for purchasing this product, please read the guide before use the camera.

Safety advice

WARNING:

Follow these instruction to prevent damage of the unit:

- DO NOT USE UNPROTECTED IF RAIN OR WATER. PREVENT CONTACT WITH ANY KIND OF LIQUIDS
- USE RECOMMENDED ACCESSORIES ONLY
- DO NOT DISASSEMBLE
- THERE ARE NO PARTS AT THE INSIDE THAT NEED TO ME MAINTAINED
- REPAIRS SHOULD BE MADE BY QUALIFIED PERSONNEL ONLY

WARNING Li-PO BATTERY

- MISHANDLING THE BATTERY MAY OCCUR EXPLOSION, FIRE AND SMOKE INCLUDING DAMAGE OF HEALTH OR GOODS. IT WILL ALSO REDUCE BATTERY PERFORMANCE.
- NEVER CHARGE A DAMAGED LI-PO BATTERY PACK.
- STOP CHARGING IF THE LI-PO BATTERY PACK IS GETTING DEFORMED (BLOWN UP).
- CHARGE AND STORE THE BATTERY PACK AT A TEMPERATURE OF 0°C TO 40°C – AVOID A TEMPERATURE HIGHER THAN 60°C WHEN DISCHARGING.
- DO NOT SHORTCUT – RISK OF EXPLOSION AND FIRE!

ATTENTION!

- THE PRIVACY OF OTHERS IS PROTECTED BY LAW AND SHOULD BE TABOO. THE RECORDING OF THIRD PARTY CAN BE AN ILLEGAL ACT. YOU ARE RESPONSIBLE FOR YOUR ACTING.
- ELECTROSTATIC DISCHARGE OR STRONG ELECTROMAGNETIC FIELDS CAN AFFECT THE CAMERA. RESTART THE CAMERA IN THIS CASE.

Content of Box

Check the completeness before using the product

- | | | |
|-------------------|----------------|-------------------|
| · Sport DV 1080p | · USB-Cable | · Handlebar Mount |
| · Battery | · Dive Box | · Long connector |
| · Short connector | · M-Mount | · Helmet Mount |
| · Universal Mount | · Velcro Padx2 | · Manual |

Note:

The 5V USB-Power adaptor \ AV-Cable \ HDMI cable and Vehicle-Mount is optional.

Preparation

- Do not remove the micro SD Card while recording or saving. Do not switch off or take out the battery before the recording has been stopped or as long there is access to the memory.
- Protect the unit from extreme temperatures. Stop recording at temperatures less than minus 10°C and higher than 50°C. Remove the camera from the windshield/sucking pad in case extreme temperatures might be possible!
- It is known that forged accumulators which remarkably look like the original product are offered for the sale again and again. Some of these accumulators are not equipped with a proper protection circuit which would satisfy the regulations of the prevailing safety regulations. These accumulators can perhaps lead to fires or explosions. We assume no liability for accidents, damages or failures which result from the use of a forged accumulator.

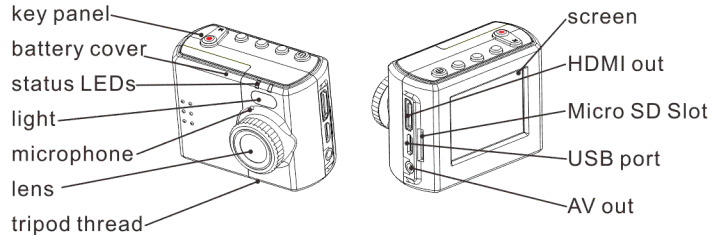


Insert the battery & Charging it

- Push the battery lock compartments to the side and remove the cover. Below this you will find the battery case. Only use the original battery. Batteries of other suppliers may have different polarities and cause damages!
- The inside battery is not fully charged when being purchased. Please charge the battery before you are going to use the SPORT DV the first time!
Connect the camera with your computer using the included USB-Cable. The charging process is indicated by the red LED light which switches to turn off as soon as charging is finished. Charging takes around 3 hours.
- You can alternately use the 5V USB-Power adaptor.

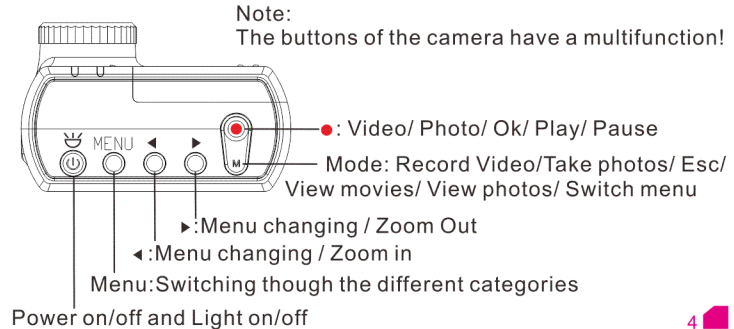


Functional diagram

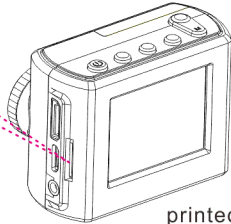


Due to limitations in the technology of the display production, single or few dark or light dots might appear. This is not a defect and will not have any impact to the recorded video or photo!

Key Panel-Interface Overview



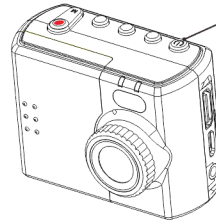
Insert/ Remove Memory Card



Only use Micro-SDHC-Cards rank "Class 4" or higher. The camera can be used with cards up to 32GB. Using a 32GB card allows a recording time of 4.5 hours at highest resolution.

Slide in the card upside down - printed side to the bottom-until it clicks in. To remove press onto the visible edge of the card, so it will get out by the spring mechanism.

Turn on the camera



On/ Off Button

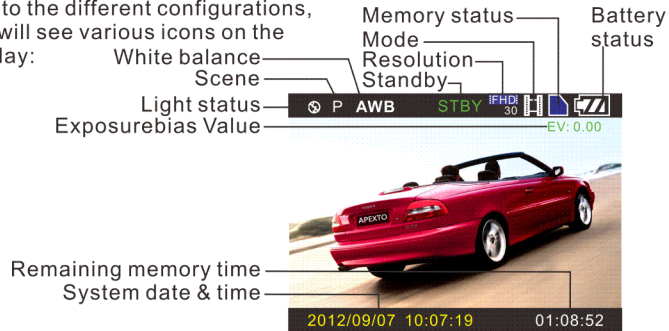
On/ Off

Press the power button on the top of the camera until it turns on.

Note:
Never remove the memory card or the battery during the recording.

Icons at the Display

Due to the different configurations, you will see various icons on the display:



SETUP Menu

Please press the MENU-Button for 1 seconds to enter the setup.

The menu is divided in 5 categories that can be selected by the different tabs (Movie, Photo, Playback, Memory and system settings). By pressing the MODE-Button you will select the next tab. To exit the menu, press the MENU- Button.



Movie Mode

Here you can select all necessary settings for video recordings.

Movie Mode: FHD 30fps/ HD 30fps/ HD 60fps/ VGA 30fps

Movie Quality: Super Fine/ Fine

Movie Clip Time: 1min/ 3min/ 5min/ 10min/Off (turn off loop)

Power Off Delay: 5sec/ 1min/ 5min/ 30min/ 60min/ 0min

SETUP Menu



Movie Mode

Sound Record: On/ Off

MIC Sensitivity: Standard/ Low

Scene: Auto/ Sports/ Portrait/ Landscape/ Snow/ Beach/ Fireworks

Exposure: -2/-1.7/-1.3/-1/-0.7/-0.3/0/0.3/0.7/1/1.3/1.7/2

White Balance: Auto/ Fluoresc.1/ Daylight/ Fluoresc.2/ Cloudy/
Fluoresc.3/ Incandesc

ISO Sensitivity: Auto/ ISO100/ ISO200/ ISO400

SETUP Menu



Still Capture

Here you can select all necessary settings for photo recordings.

Still Image Size: 14M/ 12M/ 8M/5M/ 3M/ 2M/1.2M/ VGA

Still Quality: Super Fine/ Fine

Scene: Auto/ Sports/ Portrait/ Landscape/ Snow/ Beach/ Fireworks

Exposure: -2/-1.7/-1.3/-1/-0.7/-0.3/0/0.3/0.7/1/1.3/1.7/2

White Balance: Auto/ Fluoresc.1/ Daylight/ Fluoresc.2/ Cloudy/
Fluoresc.3/ Incandesc

ISO Sensitivity: Auto/ ISO100/ ISO200/ ISO400

Color: Natural/ Vivid/ Pale

Effect: Normal/ Sepia/ B W/Emboss/ Negative/ Sketch/ Oil/ Crayon

SETUP Menu



Playback

Here you can select all necessary settings for playback.

Volume: 0/1/2/3/4/5/6/7/8/9

Delete: Delete One/ Delete All

Protect: Protect One/ Unprotect One/ Protect All/ Unprotect All



Media Tool

Here you can select all necessary settings for memory card.

Format SD-Card: Yes/ On

SD-Card INFO: Time Left/ Photo Left

SETUP Menu



General Settings

Here you can select all necessary settings for system.

Date Format: None/ YYYY MM DD/ MM DD YYYY/ DD MM YYYY

Language: English/ Español/Português/Русский/简体中文/繁体中文

TV System: NTSC/ PAL

HDMI Output: 1080i/ 720p

Flicker: 50Hz/ 60Hz

USB Function: MSDC/ PC Cam

LCD Rotate: Off/ On

LCD Power Save: Off/ On

LED Light: On/ Off

Reset Setup: Yes/ No

Using the Dive Box and different mounts

Please make sure that the lens of the cam and also the lens-protection of the inner side of the box is clean.

Insert the cam on the front side first. Please check carefully that the fastener of the box is properly locked. The cam can still be operated though the buttons. Pay attention that the rubber seal is proof and not damaged.

When using the bike or helmet mount, please pay attention that the adjusting screws are fixed tightly.

Mounts that are glued on must have a clean surface.

Basic Operations

· Insert the memory card and the battery, close the battery cover. Turning the camera on, index screen appears. You must set the date and time with the “◀ \ ▶ \ ● “ buttons first.

• Shooting images\ movies

When shooting still images, press the ● button. To stop shooting movies, press the ● button again.

• Viewing images\movies

When viewing images\ movies, press the **M** button until viewing screen appears. Select the image\movie you want to play back with the “◀ and ▶ “ buttons, press the ● button to display it. When playing back movies, tilt to ▶ to fast forward, ◀ to rewind. (Press the ● to return to normal playback.)

Basic Operations

•Deleting images\ movies

When viewing the images\ movies, press the **MENU** button, the playback setting screen (Volume\ **Delete**\ Protect) appears. Then press the ◀ / ▶ button and select “Delete icon”, confirm you want to delete it with ● button.

•Protecting images\ movies

When viewing the images\ movies, press the **MENU** button, the playback setting screen (Volume\ Delete\ **Protect**) appears. Then press the ◀ / ▶ button and select “Protect icon”, confirm you want to protect it with ● button.

Basic Operations

•Playback on the TV

Connect the camera with your TV by using a HDMI Cable or the AV-cable and switch to the corresponding channel. Enter the Playback Mode on the camera to watch your videos.

•Playback on PC (MS Windows)

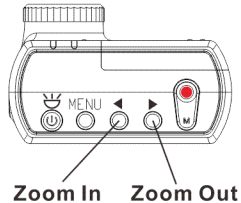


Connect the camera with your PC by using the USB Cable. The PC will recognize the camera as a hard drive, the display will show “USB Connected”. The videos can be easily watched on your PC with “windows media player” or VLC-Player etc. .

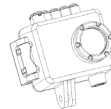
Basic Operations

•Using the zoom

During the shooting images you can Zoom In and Out. The zoom will be shown by a status bar in the display.



Accessories Illustration (appendix 1)



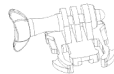
Dive Box



Short
connector



Long
connector



Handlebar
Mount



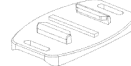
Battery



Handlebar
Mount



Universal
Mount



Helmet
Mount



Velcro Pad



USB
Cable

Technical Data (appendix 2)

Operating Voltage:	5V (USB) / 3,7V (LiPo-Battery, 800mAh)
Consumption:	250 - 450mAh (depending on camera settings)
Size:	53 x 41 x 34mm
Weight:	58g incl. battery
Battery:	3,7V 800mAh LiPo
Format:	*.AVI
Sensor:	5MPix CMOS
Lens:	142° (exchangeable)
Zoom:	digital 4times (only shooting images)

Technical Data (appendix 2)

PC camera support:	yes
Screen:	1,5" / 38mm TFT
Microphone:	yes (Mono, 48 kHz)
AV-Output:	yes, via AV-cable
USB:	Hi-Speed USB (2.0)
HDMI:	yes, 1.2
Operating-/Storage temp.:	10°C till 50°C
Memory:	Micro SDHC-<= 32GB – Class 4 or higher
White balance:	automatically

Troubleshooting (appendix 3)

1, Camera switches off immediately after switching ON.

Answer: Battery is not charged correctly. Charge the camera for at least 4 hours.

2, The video jerks when playing at the PC.

Answer: The USB connection is too slow or the micro SD-Card is too slow. Download the file to the PC first. Try one of the recommended micro SD-Cards.

3, Unable to switch On the camera.

Answer: Battery is not plugged correctly or battery is defective. The other possibility, the camera had a hangup during recording. You can check connection between camera and battery, replace the battery.

Troubleshooting (appendix 3)

4, The video is turned 180° .

Answer: It is a wrong settings. Use setup configuration to turn the picture.

5, Date and time will not be displayed in a correct way.

Answer: It is a wrong settings. Change settings in the setup.