CarHD Cam SafeGuard TX–13

User Manual

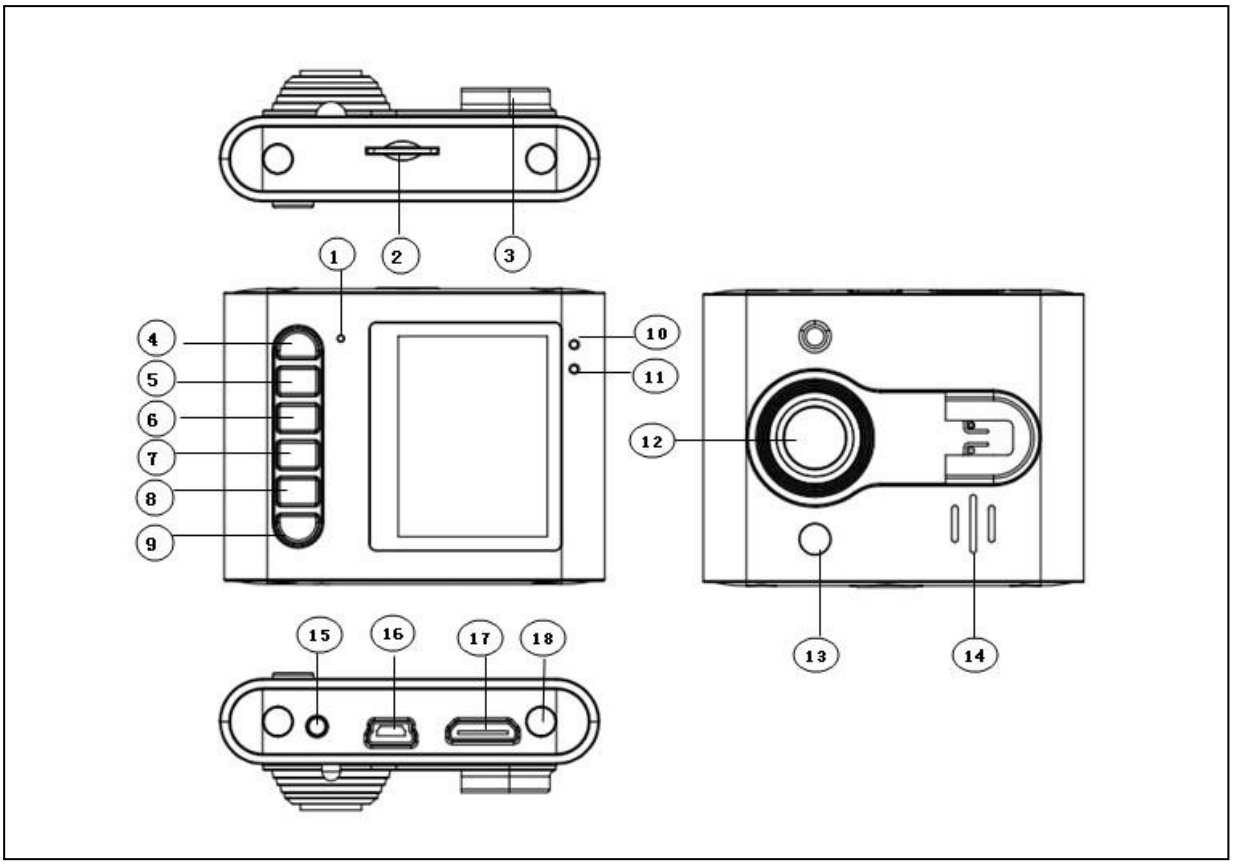
Declaration of Conformity: **www.technaxx.de/** (in bottom bar “Konformitätserklärung”)
Before using the device the first time, read the user manual carefully.

Attention: In order to help you operate it correctly please read this instruction carefully using. Charge the device once before use. **Important:** During usage connect the device directly to the cigarette lighter socket of your car!

Features

- Car camcorder (video & photo & playback function) with Full HD resolution
- 1.5” high resolution LTPS display (4:3)
- Supports MicroSD memory card (up to 32GB)
- 120°A and high resolution wide angle lens (1.3 mega pixels, JPEG format)
- Dual (2x) super infrared night vision light
- Built-in 1/4” sensor can capture clear images in low light environment
- High definition video recording in AVI format
- Start video recording: automatic video recording with record time setting
- Shows time and date on video and pictures
- G-sensor function (explanation see later)
- **SOS function:** It is a powerful document protection = in case of an urgency, you can press SOS button once. The recording video will be protected and cannot be overwritten by new videos. Also it cannot be deleted on the device, only it can be deleted via computer.
- Anti-Shake mode
- 25fps for smooth video flow
- Microphone & Speaker
- Built-in simultaneous charging and recording mode
- Motion detect function
- USB2.0 and HDMI output
- Live playback function (watch video while recording a video)
- Auto power on when starting car and Auto power off when car is off
- Continuous cycle recording mode: in case of full storage, recording goes on. Existing files will be deleted one after the other.
- Plug into car cigarette lighter as a power supply for video recording while driving
- Camera installation on bracket, easy to fix and to dismantle
- Bracket installation on windscreen by suction cup

Product Overview



1	Microphone	**10**	Blue indicator light
2	MicroSD card slot	**11**	Red indicator light
3	Bracket hole location	**12**	Lens
4	OK button	**13**	Infrared night vision light
5	MODE button	**14**	Speaker
6	MENU / SOS button	**15**	RESET button
7	UP button	**16**	USB port
8	DOWN button	**17**	HDMI port
9	POWER button	**18**	Screw location

DESCRIPTION OF THE KEYS		
5	MODE button	Switch between operation mode and corresponding menu (video, photos, playback mode)
6	MENU button	Select optional menu
7	UP button	Up / Zoom
8	DOWN button	Down / Zoom
9	POWER button	Switch the camera ON / OFF

Starting to use the car camcorder

Placing the MicroSD card: Insert a MicroSD card into the memory card slot by pushing it carefully until you hear a “Click” sound. Remove the MicroSD card by pushing it once and then remove it after it pops out.

Turning ON / OFF: Press the POWER button once to power on, blue light indicator is on. Press POWER button again to power off, blue light indicator is off.
Attention: Low battery is displayed before shutting down.

Video recording starts when MicroSD card is inserted; you can stop the video recording by pressing the OK button for 2-3 seconds. When pressing the OK button shortly, video recording starts again.

Charging Batteries – 3 ways possible
In-car battery charging with 5V charger* for the cigarette lighter (* included). Using USB cable** to charge battery (** included). Using an AC adaptor*** to charge battery (*** not included)
Red light indicator is on while charging. Full charging time is about **3 hours**. Red light indicator will turn off when the device is fully charged. **Notice:** Therefore a fully charged battery approx. last about half an hour, it is recommended to plug the camera to the cigarette ligher socket of the car during usage.

When the camera is fixed on bracket you can rotate it in different directions, the picture you see on the display always will be in the correct upright position. But in case you rotate the camera, then record a video and later watch this video on your PC screen, the file is shown in the rotated position; you cannot (!) change the viewing angle later on the PC screen.

G-Sensor Function: In case of a hard impact (e.g. a collision) or a very strong shock (from 6G, e.g. the car rolls over) the video that is being recorded is stored automatically. In addition, the video is LOCKED for deletion and an icon will appear on the screen. By this function, the incident course of events can always be played back later.

Switch between different modes by pressing the MODE button

Setting Mode

System setting: Press MENU button once, press MENU botton again to enter the “System Setting” option. A blue background will be displayed.
Format: Format the MicroSD card (**Attention:** this action will delete all data stored on the MicroSD card!)
Language setting: You can choose between. Confirm by pressing the OK button.
Reset system settings: Cancel / Proceed. Confirm by pressing the OK button.
Date / Time setting: Set Date / Set Time. Confirm by pressing the OK button.

Record Video and enter Setup

Shooting video: ***In video mode*** press OK button to start recording, press the OK button again to stop recording.
In recording mode press MENU button to open up the SOS function. Press MODE button to activate the Day/Night mode.

Video option settings: ***In video mode*** **press MENU button to enter.**
Image resolution: see under technical specifications.
Time display: ON / OFF. Confirm with the OK button.
Motion detect: ON / OFF. Confirm with the OK button.
Recording: ON / OFF. Confirm with the OK button.
Loop recording: OFF / 3 min. / 5 min. / 10 min. Confirm with the OK button.
Auto power-off: OFF (Default) / 1 min. / 3 min. Confirm with the OK button.
Press button voice: ON / OFF. Confirm with the OK button.

Attention: If recording in a loop is set to mode „3 min / 5 min / 10 min", the recording goes through. If the memory card is full, the old files will be overwritten and the new file(s) are saved. In „OFF" mode, recording is stopped when the memory card is full.

Video Playback: Press UP/DOWN button to select the desired file for playback. Press OK button to start/stop the video playback. Adjust the volume by UP/DOWN button while video is played. Press the DOWN button while playback to rewind. Press OK button to stop video playback.

Photo Setting Option

Taking photo: in photo mode press OK button to take a photo. Press MENU button to enter **Photo Shooting Setup Option. Shooting way**: Single / 2 sec. clocking / 5 sec. clocking / 10 sec. clocking. Confirm with the OK button. **Image resolution:** see under Technical Specifications.

Image Playback: Press UP/DOWN button to select desired file for playback. Confirm with the OK button. While playback press the MENU button to **Playback option setting:**

1. Delete: Press OK button to select action Single / All / Select delete File. Confirm with the OK button.
2. Protect file: Select locking or unlocking the file. Confirm with the OK button.
3. Slide play: Select 2 sec. / 5 sec. / 8 sec. to play the video. Confirm with the OK button.

Manage Files

Press MODE button to enter "File Management" mode. There are 2 types of files: **"Video playback"** and **"Image playback".** Select one and confirm with the OK button. Most recent file will be displayed on LCD.For example: If your last action was photo shooting, the photo will be displayed on LCD.

Connect to PC – Downloading Videos and Images

1. After the USB cable is connected to a computer, a LCD display appears as start picture. BLUE indicator turns on, then the display screen will become blue.
2. Computer automatically detects the MicroSD card drive.

System requirements: Win7/8/XP/Vista/2000, MAC OS 10.3.6 or above.

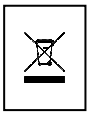
3. Browse or manage files through computer.
4. Unplug the USB cable and turn the device off.

Notice: If device crashes during usage, press the RESET button and start again.

Technical specifications

LCD Display	1.5 LTPS (4:3)
Lens	120°A + High resolution wide angle lens (1.3 mega pixels)
Video resolution	1080FullHD (1920x1080) – Full High Definition 1080P (1440x1080), 720P (1280x720)
Video format	AVI
Image resolution	12M (4032x3024), 10M (3648x2736), 8M (3264x2448), 5M (2592x1944), 3M (2048x1536), 1.3M (1280x960), 2MHD (1920x1080), VGA (640x480)
Image format	JPEG
Languages	English, German, French, Spanish, Italian, Portuguese, Russian, Traditional Chinese, Simplified Chinese, Japanese
Memory card	MicroSD (up to 32GB)
Built-in	Microphone & Speaker & USB2.0 port & AV & HDMI
Shooting way	Single / 2 sec. clocking / 5 sec. clocking / 10 sec. clocking
IR–Light	Dual (2x) super infrared night vision light
TV mode	PAL / NTSC
Frequency	50Hz / 60Hz
Power input	5V 500mA
Power supply	Built-in rechargeable Li-Ion battery (usage time fully charged ~1/2 hour) or 5V charger for cigarette lighter
Dimensions / Weight	62 x 48 x 23mm / 37g
Package Contents	CarHD Cam SafeGuard TX–13, USB cable, HDMI cable, 5V charger for car cigarette lighter socket, Bracket with suction cup, User Manual

Security and Disposal Hints for Batteries: Hold children off batteries. When a child swallowed a battery go to a doctors place or bring the child into a hospital promptly! Look for the right polarity (**+**) and (**--**) of batteries! Always change all batteries. Never use old and new batteries or batteries of different types together. Never short, open, deform or load up batteries! **Risk of injury!** Never throw batteries into fire! **Risk of explosion**!



Hints for Environment Protection: Packages materials are raw materials and can be recycled. Do not disposal old devices or batteries into the domestic waste. **Cleaning:** Protect the device from contamination and pollution (use a clean drapery). Avoid using rough, coarse-grained materials/solvents/other aggressive cleaner. Wipe the cleaned device. **Important Notice:** Should battery fluid leak from a battery, wipe the battery-case with a soft cloth dry.

Distributor:

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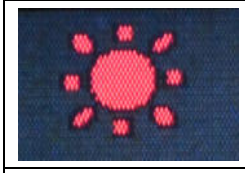
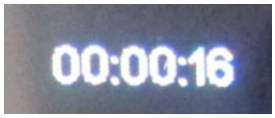
Descriptions of symbols during video & photo recording

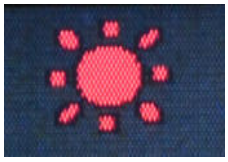
Video Mode

	Video Recording Mode
	Recording Time
	Exposure Value
	**Day Mode**
	Night Mode
	**Recording Time for present video; if you stop video recording, this icon shows the “remaining time” for recording.**

	Video Resolution
	MicroSD Card
	Battery Status
	Date and Time

Picture Mode

	Picture / Photo Mode
	Exposure Value
	White Balance

	ISO Display
	“Anti–Shake” Mode
	**Day Mode**
	Shows the remaining quantity of pictures.
	Picture Size
	Face Detection
	MicroSD Card
	Battery Status