EYE DRIVE
SHD100 CAR CAMERA

English

FERGUSON

SAFETY MEASURES

We request that you read the instruction manual and recommendations set forward therein.

- In order to avoid an electric shock, never open the housing. Damage to the warranty seal shall void the warranty.
- Do not attempt to disassemble car DVR and drop from high place.
- Keep the car DVR away from water and other liquids.
- After prolonged use, it is normal that the unit temperature will rise.
- The best working temperature range is: -10 – 55℃.
- Please use the accessories provided by the manufacturer.
- The device supports maximum 32GB TF cards, please use 8GB (Class 10) or above.

DOWNLOADABLE SOFTWARE

Ferguson has taken every effort to provide users with software updates in order to ensure that the parameters of the device are up to date. Ferguson reserves itself the right to amend, change or modify the software used in the device as it shall choose and without prior notification. The latest version of the software is available on the website http://www.ferguson-digital.eu
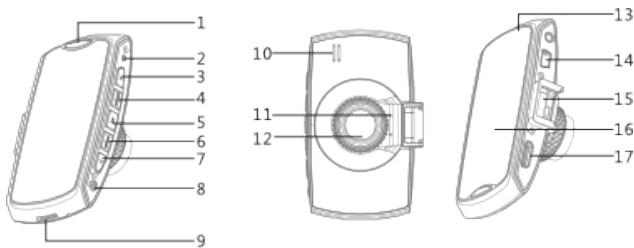
ABOUT THE INSTRUCTION MANUAL

Ferguson Sp. z o.o. has made every effort to provide the most current information about its products. Ferguson Sp. z o.o. does not grant any guarantee as to the contents of the present instruction manual and disclaims any implied guarantees concerning market value or suitability for specific purposes. The information contained herein is an instruction intended to enable the correct usage and maintenance of the receiver. Ferguson Sp. z o.o. reserves itself the right to introduce amendments, changes or translations of the instruction manual without prior notification thereof. For this reason, we recommend you regularly visit our website in order to obtain the latest information.

MARKINGS AND SIGNS APPLIED TO THE DEVICE

⚠ CAUTION ⚠	Risk of electric shock - do not open. This notice warns the user not to open the receiver housing. The housing may be opened solely by authorized service technicians.	CE	CE logo. The logo informs that the receiver conforms to the terms and conditions of Directive 2004/108/EC concerning observance by Member States of provisions regulating electromagnetic compatibility, and to the terms and conditions of Directives 2006/95/EC concerning observance by Member States of provisions regulating low voltage electricity and safety with relation to the handling and operation of electrical equipment.
🗑	When this crossed-out wheeled bin symbol is attached to a product it means that the product is covered by the European Directive 2002/96/EC. Please inform yourself about the local separate collection system for electrical and electronic products. Please act according to your local rules and do not dispose of your old products with your normal household waste. Correct disposal of your old product helps to prevent potential negative consequences for the environment and human health.	🗑	Your product contains batteries covered by the European Directive 2006/66/EC, which cannot be disposed with normal household waste. Please inform yourself about the local rules on separate collection of batteries because correct disposal helps to prevent negative consequences for the environmental and human health.
♲	Your product is designed and manufactured with high quality materials and components, which can be recycled and reused.	⟳	When this logo is attached to a product, it means a financial contribution has been paid to the associated national recovery and recycling system.

1. General information about the car DVR

1.1 CAR DVR

1.SOS Button	5.OK Button	9.TF Card Slot	13.Status Light	17.Micro HDMI Interface
2.Reset Button	6.MENU Button	10.Speaker	14.USB Interface	
3.Right Button	7.Left Button	11.Mic	15.Car Mount Interface	
4.MODE Button	8.Power Button	12.Lens	16.Display	

1.2 Icons and functions

Name	Icon	Function description
SOS Button	⚠	● Protect/cancel current file or adjacent files
Left Button	◄	● Up/Left option ● Long press backward video ● short press mute
Right Button	►	● Down/Right option ● Long press forward video
OK Button	OK	● Start/Stop Recording ● Shooting ● Enter setting ● Play/Stop video
MENU Button	MENU	● Enter/Back Menu ● Back
MODE Button	MODE	● Video/Time-Lapse/Picture/Playback mode switch
Power Button	⏻	● Turn on/Turn off power ● Turn on/ Turn off panel

1.3 Battery charging

a) After connecting the car charger to the device, the car DVR will turn on automatically and start recording, a following icon[🔋]will be showed on display in the right corner, charge lamp will turn into red.

b) The indicator will turn off, when charging is finished.

1.4 Installing the TF card

Turn on the device (without TF card). The icon[🔺](on the left corner) will disappear, when TF card is inserted.

This car DVR supports maximum 32G TF card, please use 8G (Class 10) or above.

1.5 Turning on/off car DVR

a) Press long[◎]button or connect the USB cable to turn on the car DVR .

b) Press long[◎]button (3s) or disconnect the USB cable to turn off the car DVR.

2. Car DVR settings

2.1 System settings

In preview window press[MENU]button to enter the **Main Menu**.

Press[📧]button to enter the **Setting Menu.** Now you are available to set functions.

Press[◁]/[▷]button to choose one of available functions. Press[OK]button to confirm the settings.

- **Delay power off time:** When external power is cut off, the car DVR can turn off in: 3s/10s/1min. You can choose also **never turn off**.
- **LCD turn off:** During battery charging the car DVR panel can automatically turn off in:10s/30s/1min/never turn off.
- **Stamp:** Mark the movies and images with current data and time information.
- **G-sensor sensitivity:** G-sensor sensitivity could be chosen from high/middle/low/turn off.
- **Language:** Language settings. Available languages: Polish, English and German.
- **Time and date:** Car DVR time and date settings.
- **Format:** Format the TF Card (if TF card is inserted in car DVR), please note that this action will delete all data and files.
- **Default setting:** Resets all settings to factory setting.
- **Firmware version:** Car DVR software version.

2.2 Photo settings

In preview window press[MENU]button to enter the **Main Menu**.

Please choose[📷]and press[OK]button to enter the **Photo settings**. Press[◁]/[▷] button to choose one of available functions. Available settings:

- **Photo resolution:** 16MP (4608×3456), 5MP (2592×1944) and 3MP (2048×1536).
- **Quality:** High/Middle/Low.

2.3 Video Setting

In preview window press[MENU]button to enter the **Main Menu.**

Please choose[🔲]and press[ok]button to enter the **Video settings**. Press button[◄]/[►] to choose one of available functions. Available settings:

- **Video resolution:** Super HD (2304x1296, 30fps), FHD30 (1920×1080, 30fps), HD30 (1280×720, 30fps), WVGA30 (848×480, 30fps).
- **Time lapse:** 1s, 5s, 10s, 30s and 1min. per frame.
- **Mute:** Turns off voice recording. ON/OFF
- **Time split:** The recording will be splitted in 1, 3 or 5 minutes parts. When the setting is off, video will be splitted into 1GB parts automatically.
- **Record overwrite:** When the TF Card is full, the new video will overwrite the previous video files. Available settings: on/off.
- **Motion detection:** Turns on the device when motion will be detected.
- **WDR Image-intensification:** wide dynamic range function. It makes the video brighter, especially in dark places.

2.3 Security settings

In preview window press[MENU]button to enter the **Main Menu.**

Please choose[🔒]and press[ok]button to enter the **Security settings**. Press[◄]/[►] button to choose one of available functions. Available settings:

- **Playback in password:** Passoword settings (revise passwords functions, set a new pasword, set a default passwords 0000).
- **Fatigue driving warning:** Fatigue driving warning. When turned on, it displays a pop-up warning and confirms it additional with a voice warning in case that the device is turned on longer then 4 hours.

3. How to use your car DVR?

3.1 Video/Time lapse

The turned on option shorts a longer video into a few minutes one.

In preview window press[MODE] button and go to the **Video/Time Lapse** mode**.**

Please press[ok]button to start/stop recording.

3.2 Photo

In preview window press[MODE] button and go to the **Photo** mode**.**

Please press[ok]button to take a photo.

3.3 Playback

In preview window press[MODE] button and go to the **Playback** mode**.**

Please press[◄]/[►]buttons to choose the videos or images.

Press [ok]button to enter the **Thumbnail** mode.

Press [ok]button to start the playback.

Please press[MODE] button to go back to the **Thumbnail** mode.

3.4 Playback in encryption

In the **Security settings** window press button[◁]/[▷]to choose the **Playback in password** option.

Press[ок]button to confirm. Press[◁]/[▷]button to choose the number and confirm the choose with[ок]button.

In this menu you can also turn off this function or set a new password.

In case you forget the changed password, you can set back the default one **0000** by creating a **pwd.txt** file on the TF card.

3.5 One Key Mute

In the **Video** mode short press[◁]button. The action will be confirmed[🔇]with Icon.

To turn off the mute function press short[◁]button again.

3.6 Emergency files protection function

If the G-sensor function is on, the device will record any kind of sudden acceleration. The Emergency Files protection function will auto trigger. During video shooting press[⚠]button to protect current video files or adjacent files. After auto protection triggered, the screen will display the protection icon, the corresponing file will display locking icon reminder, when you review playback file.

3.7 Motion detection

If the motion detection opticon is on, please press[ок]button, your car DVR will start detecting any kind of motion automatically. The recording will stop, when the object stops moving the next 10 seconds.

3.8 Car DVR connect with computer

Connect your car DVR to computer via USB cable. The car DVR will turn on. The connection will be confirmed with the[⬜]icon. Now you can copy the files from the car DVR to PC.

3.9 Connect with TV

Connect the car DVR with your TV via HDMI cable. User can review the videos on the TV. The navigation through menu settings will be managed over car DVR display.

3.10 Car DVR and car mount

Use the car mount to fix car DVR to the front of your car window.

a) Fixing: Connect the car mount with car DVR. Fix the car mount to the car window and lock it with switch knob.

b) Disconnecting: Unlock the car mount from the car window using the switch knob.

Tech. Specification/Technische Eigenschaften/Specyfikacja techniczna

Specification	DSP	Amba A7L50
	Sensor	3Mega CMOS sensor (AR0330CS)
	LCD	2.7" High definition panel
	Lens	135° wide angle lens 6G
	F.No	2.0
	Memory (external only)	supports SDHC TF card
	Speaker	Built-in
	Microphone	Built-in
	USB	High speed USB2.0 MiniB
	G-sensor	yes H/M/L level optional
	WDR	yes
	Video output	Mini HDMI
Photo	Output pixel	3 MP
	Shutter	Electronic
	Exposure control	Auto
	Image Resolution (Max)	4608x3456 (16MP)
	File format	JPEG
Video/Audio	Video mode	Continuous/ Time Lapse (1s, 5s, 10s, 30s, 1min)
	Video resolution	SHD:2304x1296 (30fps)
		FHD:1920X1080 (30fps)
		HD:1280X720 (30fps)
		WVGA:848x480 (30fps)
	video (compression) format	MP4 (H.264)
	Audio format	ADPCM
	G-sensor	yes H/M/L level
Power supply	DC Supply	Car charger 5V/1A
	Battery	120mAh Build in
	Recharging time	around 0.5 hours
	Power ON/OFF	AUTO (Car charger), Manual (Power key)
	Recharging way	adapter/USB/car charger
Housing	Size (mm)	87*49*14 Exlude lens hight
	Weight	0,062 kg