

Introduction

Dash camera/DVR
D28RS

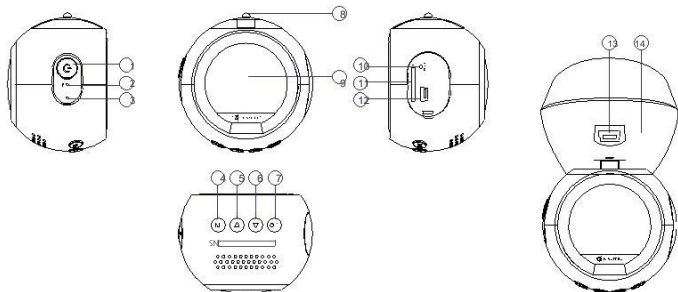
Dear Customer!

Thank you for purchasing this NAVITEL® product.

NAVITEL R1000 is a multifunctional high-definition DVR with many functions and features that are described in this User Manual. Please, read the manual carefully before using the device, and keep it for future reference.

Device layout

1. Power
2. Microphone
3. LED indicator
4. Menu
5. Up
6. Down
7. OK
8. Mount connector
9. Monitor
10. Reset
11. MicroSD slot
12. USB port
13. USB for charging
14. Magnetic mount



Buttons

Button	Functions
Power	Press and hold for 3 seconds to turn the device on/off. Press to switch between Video Record , Capture , and Playback modes. Press to exit any selected menu.
Menu	Press to access Mode Settings menu. Press again to access Setup menu.
OK	In Video Record mode, press to start recording; press again to stop. In Capture mode, press to take a picture. In Playback mode, press to select a file, or pause/unpause a video. In the menu, press to select a menu item or to confirm selected option.
Up/Down	In the Main Menu, press to select next/previous menu item or file. In Video Recording mode press Down to lock the file (locked files cannot be deleted or overwritten). In Capture mode, press to zoom in or out.
Reset	If the device is not responding, press to reset.

Specifications

Processor	MSTAR MSC8328	GPS	Supported; built-in antenna
Display	1.2" TN	Power	USB 2.0 DC 5 V 1-1.5 A
Recording format	MP4	Frequency	50 Hz / 60 Hz
Video resolution	1080 FHD 1920x1080 P /30 fps	Battery	180 mAh 3.7 V Rechargeable battery
Image format	JPG	Working current	700 mA
Image resolution	2048x1536	Microphone/speaker	Supported
Storage	microSD card	Wi-Fi	Supported; Chipset AP6181
microSD card capacity	64 GB max	Language	Chinese simplified, Chinese traditional, Czech, English, French, German, Italian, Japanese, Korean, Polish, Romanian, Russian, Slovak, Spanish, Ukrainian
USB	USB 2.0		

Note: the specifications may change due to upgrades.

Device functions

Video	Connect the device to an external power supply, put the microSD card in and it will start recording automatically (indicated by the flashing blue light). Press the OK button to stop recording (the blue light will become steady). Press OK again to record another video. Each video will be saved automatically.
Photo	In Video Record mode, press the Mode button to enter Capture mode, press the OK button to take a photo (it will be saved automatically). You can also use the snapshot controller to take instant pictures remotely.
Playback	Press Power button to enter Playback mode (in Video Record mode press the Mode button twice); press the Up and Down buttons to select a file; press the OK button to play a file. During playback, press OK to pause/unpause; press the Up and Down keys to fast forward/rewind.
Lock file	In Video Record mode, press Down to protect the current recording. A key symbol will appear at the bottom of the screen. In Playback mode, select a file, press Menu and select Protect, then Lock Current or Lock All. Protected files cannot be deleted or overwritten. Select Unlock Current/Unlock All to remove protection.
Video menu	In this menu section you can choose the quality of the video and additional features such as color, contrast, saturation etc.
Capture menu	In this menu section you can choose the size of pictures and additional features such as color, exposure, saturation etc.
Sound Record	Choose this option to record video with or without sound.

Loop recording	This setting allows saving the recording in separate files every few minutes. For example, if set to 60 seconds, 10 minutes of footage will be saved as 10 one minute fragments. If the memory card is full, all unprotected files will be overwritten in the order they were created.
G-sensor	If the vehicle is hit by something, the DVR will automatically lock the current video.
Stamp	This function adds date stamp or device logo to the record. Press OK to select type of stamp or to switch the function off. You can also choose GPS stamp to mark your location.
EN GPS location	Device supports built-in GPS chipset and GPS antenna, it can show longitude, latitude and other information on your current location. Press GPS Status to check GPS dates. Press On in the GPS Stamp menu to add GPS information to your files.
Parking monitor	When the device in the standby mode will detect the vibration, it will automatically start recording. If for one minute vibration will not happen again, the device goes into standby mode.
Motion detection	Motion detection function is available in the Parking mode (disabled by default). In the Video record mode, select "Motion event REC". When an object is moving the device will automatically start recording. If the object does not move for more than 10 seconds, recording stops.
Battery	Red indicator lights up when the device is plugged into an external power supply; as the battery is charging, the red will gradually dim; the red light going out means the battery is full.
Screen saver	The device can automatically shut off the screen to reduce power consumption; time interval can be set in the Screen Saver menu.
APP support	You can see and share your videos and photos, taken by DVR, in your mobile phone through special app. The app is connecting via Wi-Fi network and should be installed on your mobile phone.

DVR installation

1. Put the microSD card into the DVR. Use a high-speed SD card (Class10 or above); capacity should be within 8-64 GB.
2. Secure the device on the windshield with the bracket.
3. Connect the car charger to the cigarette lighter socket.
4. Connect the USB interface to the car charger with the charger extension cord.
5. Adjust the camera position.
6. Start the engine; check whether the device is installed correctly.

Note: if the device is installed correctly, the indicator will glow red; the device will start up and begin recording (indicated by flashing blue light).

Precautions

1. Use only the original charger adapter. Using another adapter may negatively affect the device's battery.
2. Do not use the device in humid or hot environment.
3. Keep the lens clean.
4. Do not disassemble the device and do not perform repairs by yourself.
5. Strictly follow the laws and regulatory acts of the region where the device is used. This device can not be used for illegal purposes.

Wi-Fi app installation

1. In the **Settings** menu of your DVR choose **App QR Code**, scan the code with your mobile phone to download DVR Wi-Fi sharing application. Install it after completion of downloading.
2. Choose **Wifi** in **Settings** menu, press **On**.
3. Connect your mobile phone to the DVR through Wi-Fi connections. If necessary use the password given in the DVR.
4. Run the app, in opened window press **Add new device** [1].
5. Choose your DVR device in the list [2]. Now you can capture video or photo via the app [3]. Note, that DVR's menu is unavailable when the app is on.
6. In the Setting menu you can control DVR functions as well as select video ratio and format your SD card [4].

FCC Caution.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.