Dear Purchaser,

Thank you for acquiring NEOLINE WIDE S39 dashboard camera. "Dashboard camera" is a digital video camera intended for video fixation (video recording) of road situation and events, which is equipped with a special functional.

[Content]

[Operational Conditions]

• Get acquainted with conditions of in-warranty service.

• Do not install or remove memory card when the dashboard camera is switched on to avoid damage to the device and recorded video files.

• Only use high-quality MicroSD cards not lower than Class 10 with support of UHS-1 protocol to avoid recording dropouts and delayed images.

• Use of 8 GB to 32 GB card is recommended (the device does not support "sandisk ultra" memory cards.

• Device should only be used with accessories from the delivery set. NEOLINE disclaims responsibility for possible damages to the product in case accessories of third-party manufacturers are used.

• Do not expose the product to the effect of fire, moisture or chemically active substances (petrol, solvents, reagents etc.).

• Disassembly or modification of the product is prohibited.

• NEOLINE shall not be held responsible for loss of data and/or damage, whether direct or indirect, caused to the user or to a third party through improper use of the device or software, incorrect installation, use of accessories not included in the delivery set.

• Important! In some motor cars, power to 12/24V socket is delivered also with ignition off. To avoid the accumulator discharge, it is recommended to disconnect the dashboard camera from the vehicle network (remove power adapter from the cigarette lighter socket).

• Format the MicroSD card not rarer than once in two months to avoid damage of its file system.

• Observe temperature conditions of storage and operation (see technical specifications). Do not allow lasting sun exposure of the device.

Manufacturer reserves the right to bring amendments in the equipment list, hardware and software of the device without prior notification.

[Technical Specifications]

Video resolution	Full HD 1920*1080P (30к/c)
	HD 1280x720P (30к/c)
	VGA 640*480
Viewing angle, °	160
Display	LCD, 3"
Video recording format /compression	MOV/H.264
Bitrate, max Mb/s	17
Built-in battery	180 mA*h
Memory card support	MicroSD , Class 10 +, 8-32 GB
Loop recording interval, min	1/3/5
Continuous recording	Yes
Auto ON/Auto OFF	Yes
Operation temperature, C°	-10/+60
Number plate stamp	Yes
Date/time stamp	Yes
Video processing	WDR
Audio recording	Yes
Built-in loudspeaker	Yes
G-sensor	Yes
Motion sensor	Yes
Camera rotation into cabin	Yes
Memory unit input voltage	DC 12-24V
Device input voltage	DC 5V/1A
Current consumption	650 mA
Bracket, type	Suction cup
Dimensions, mm	87*50*34
Weight, g	66

[List of Equipment]

- Dash camera
  NEOLINE WIDE S39

- Car charger

- Holder with suction
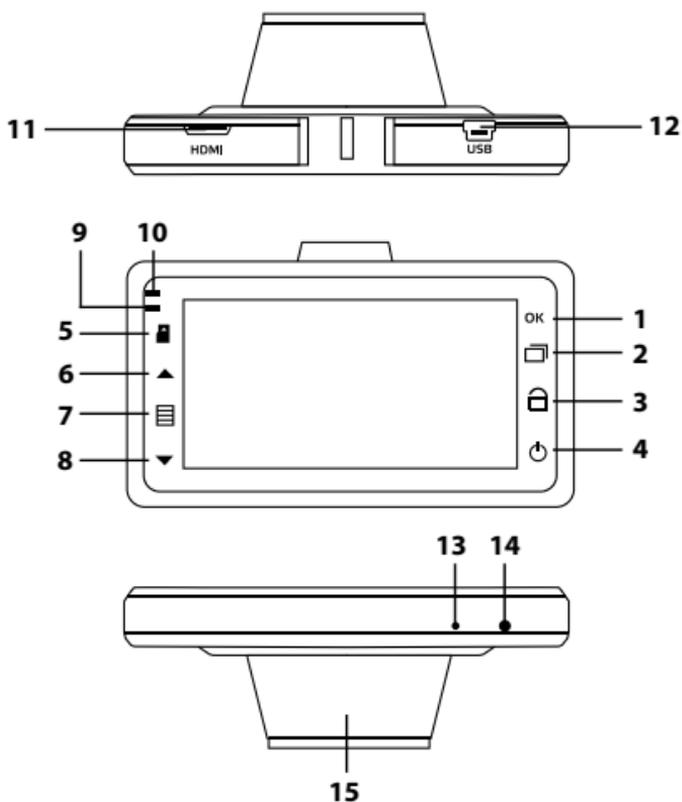 cup on car glass

- USB cable

- User Manual

- Warranty Card

[Description of Buttons and their Functions]

1) "OK" confirmation button
2) "Mode" button
3) "Emergency Recording" button
4) "ON/OFF" button
5) Slot for MicroSD card
6) "UP" navigation button
7) "Menu" button
8) "Down" navigation button

9) Charging indicator
10) Recording indicator
11) Mini-HDMI
12) Mini USB port
13) Microphone
14) "Reset" button
15) Lens

Light indicators

Indicator	Colour	Meaning
- recording	Red blinking	Video recording goes on
	No light	Video recording stopped
	Red continuous	Memory card is missing
- charging	Green	Charging goes on
	No light	No external power

Description of buttons and their functions

"ON/OFF" button	- Press to switch on the device - Press and hold to switch off the device - Press briefly to switch off/on the display backlight
"Menu" button	- Press to enter or exit Menu of the device
"OK" confirmation button	- Performs more functions depending on the dash camera mode. See table below
"Mode" button	- Press to switch between modes Video/Photo/Playback
"Emergency Recording" button	- Press to lock/unlock the video file in recording mode
"Up" navigation button	- Performs more functions depending on the dash camera mode. See table below
"Down" navigation button	- Performs more functions depending on the dash camera mode. See table below

Mode	Button	Function
Standby	"ON/OFF"	-Press to switch on the device -Press and hold to switch off the device
	"OK"	- Press to start recording (red light will blink in left top corner of the display)

Mode	Button	Function
Standby	"Menu"	- Press to enter Settings menu
	"Mode"	- Press to switch between modes Video/Photo/Playback
Video	"ON/OFF"	- Press and hold to switch off the device - Press briefly to switch off/on the display backlight
	"Oк"	- Press to stop recording
	"Emergency Recording"	- Press to lock/unlock the video file
	"Down"	- Press to switch on/off audio recording
Photo	"ON/OFF"	- Press and hold to switch off the device
	"Oк"	- Press to snap photo
	"Menu"	- Press to enter Settings menu
	"Mode"	- Press to switch between modes Video/Photo/ Playback
Playback	"ON/OFF"	- Press and hold to switch off the device
	"Oк"	- Press to view the file
	"Menu"	- Press to enter menu for file deletion
	"Mode"	- Press to switch between modes Video/Photo/Playback
	"Up"	- Press to move up the list - Press to add volume during video file playback
	"Down"	- Press to move down the list - Press to volume down during video file playback

[Installation of Dash Camera]

1. Mounting

A. Install mounting into slot on the device
B. Remove protective film from the mounting suction cup
C. Choose an appropriate place on the windshield to ensure the best view and tightly press the mounting against the glass to fasten the dashboard camera

2. Connection to the Charger

Insert plug into Mini-USB connector on the device and then insert the car charger into the cigarette lighter.

3. Adjustment of View Angle

Adjust the view angle by rotating the device in desired direction (right-left, up-down), having previously loosened the fixing nut on the mounting. Position the device so that the lens captures the image in proportion "40% sky/60% road" to reach the best filming results. Fix the position by means of nut on the mounting.

[Operation]

Preparation of the device

A. Installation of memory card. Switch off the device before memory card installation. Position MicroSD card against the slot as shown on the figure and insert till it goes click.

Card removal: carefully press the card and then remove it from the slot.

IMPORTANT: Attempting to insert the memory card with a wrong side can damage the device and the memory card itself. Make sure the memory card is in correct position.

Warning: Do not apply too much effort when installing the memory card in order to avoid damage of the device. To install, insert MicroSD into the slot until it is fixed (goes click); if necessary, use a needle to seat the card. To remove the card, press on it until click and remove from the slot, use a needle if necessary.

B. Then connect the charger cable to Mini-USB connector located on the device housing and inset the charger itself into connector of the cigarette lighter/ start the car engine, the device will switch on automatically.

Switching On/Off

1. Automatic: the device automatically switches on upon startup of the car engine and switches off when the engine stops. Upon startup of the car engine (power is supplied to 12/24V car socket), the device automatically starts recording. After the engine is switched off (power is disconnected from 12/24V car socket), the device automatically stops recording and saves the recorded files.

2. Manual: when the device is connected to power supply and the engine is working, press and hold for few seconds ON/OFF button to switch off/on the device.

Loop Recording

1) Insert MicroSD card into the memory card slot – Loop Recording mode will be automatically switched on.
2) Length of video recordings can be 1/3/5 minutes. It is recommended setting the recording cycle to 3 minutes.
3) When there is no space left on the memory card for recording new videos, the device will automatically replace them with old video files, except for files protected from deletion.
4) Video recordings filmed in Loop Recording mode are stored in folder: \DCIM\.

Emergency recording

Designed for protection of current video file against rewriting and deletion. To protect the current video file, press Emergency Recording button during the video recording and the recorded video file will be marked with a special mark, which will prohibit the device from deletion and rewriting of this file.

Note: "Protected" files can be deleted on a computer, having connected the device to the computer via USB cable in the delivery set. To delete a file in standby mode, remove the protection via Menu or format the memory card.

1) Emergency recording switches on automatically upon response of G-sensor (sharp acceleration, braking) or collision. Emergency recording is automatically locked in order to avoid deletion during the loop recording.
2) Emergency recording can be started independently by pressing .Emergency Recording button.

Motion Sensor

If the Motion Sensor is activated, video filming will start automatically if a motion takes place on camera. If during 10 seconds the camera will not find a motion in picture, the recording will stop automatically.
Note: this function is designed for use on a motionless motorcar. Do not switch on the motion sensor during drive since it can lead to breaks of recording and overflow of memory card.

Playback Mode

1) Use "UP" and "DOWN" buttons to switch between recordings.
2) Press "Menu" button to delete, lock/unlock the file and launch the slide show (use "UP", "DOWN" and "OK" buttons).

PC Connection

1) Connect the device to a computer via Mini-USB cable
2) The device will automatically switch on
3) The computer will identify the device as a removable disk
4) Two folders will be displayed:
DCIM (filming and photo files)
Emergency (emergency recording files)
5) Copy necessary files to your PC

Audio Recording

Use "Down" button during video filming to switch off or on audio recording. Respective indicator will be displayed on the screen.

Firmware Update

1) Download the firmware file from official website www.neoline.com, extract the file from the archive.
2) Format the memory card and transfer the unzipped file to MicroSD memory card.
3) Insert the memory card with the downloaded file into slot of the dashboard camera.
4) Connect the power cable while holding "OK" button.
5) After switching on, the device will offer to update software. Confirm the action
6) Light indicator will blink while the firmware file is uploaded on the device.
7) When the process is completed, the device will automatically reload.
8) Check in Settings menu whether a correct firmware version is displayed.
9) Format the memory card via menu of the dashboard camera.

Important! Do not disconnect power supply of the dashboard camera during the firmware update.

[Settings]

Video settings:

Resolution: 1080FHD 1920X1080/720P 1280x720/VGA 640x480
Loop recording: Off /1/3/5 min
With loop recording switched off, the device will stop recording when the memory card is full. When /1/3/5 min is chosen, the device will write video files of respective length but when the memory card is full, the previously written files will be rewritten except files protected against deletion.
WDR: On/Off
Exposure: -2.0 to +2.0
Motion sensor: On/Off
Audio recording: On/Off
G-sensor: Off /High Sensibility/Medium Sensibility/Low Sensibility
Date/Time stamp: On/Off
Parking mode: Off/5/10/30 sec

Photo settings:

Shooting mode: Single/ Timer 2/5/10 seconds
Resolution: VGA / 1 /2 / 3 / 5 / 8 / 10 / 12 M
Series (3 shots): On/Off
Quality: High/Medium/Usual
Sharpness: Soft/Usual/Strong
White balance: Auto/Sunny/Cloudy/Tungsten/Fluorescent
Effect: Colour/White-Black/Sepia
ISO: Auto/100/200/400 Exposure: -2.0 -- +2.0 Stabilization: On/Off
WDR: On/Off
Quick view: Off /2/5 sec
Date/Time stamp: On/Off

Playback mode:

Delete: Delete file / Delete all files
Lock: Lock current file / Unlock current file / Lock all / Unlock all
Slide show: 2/5/8 sec

Common settings for all modes

Date/Time: set date and time
Number plate: Number plate On/Off / Number of symbols 1/../10 /
Auto Off: Off / 1 / 3 /5 min
Button sound: On/Off
Language: Russian/English Mains frequency: 50/60 Hz
Automatic screen off: Off / 30 sec / 1 / 2 min
Night Vision: On/Off /Auto balance
Formatting: SD card
Factory settings: Cancel / OK
Software version: current firmware version is displayed

[Troubleshooting]

If problems have occurred with the device while following the operational conditions, use this section to solve them.

- Photographing and video recording impossible
Check whether there is enough free space on MicroSD card as well as whether the card is not blocked.

- Recording self-stoppage
Too large size of video files, only use highspeed MicroSD cards, not lower than Class 10, of proven manufacturers.

- "Invalid File" message appears on the display upon attempt to view/ playback photo/video file
Uncompleted recording into file through file system error on the MicroSD card. Format MicroSD card.

- Washed-out picture
Check whether the lens is free of dirt, fingerprints. If not, wipe the lens with soft cloth before operation (use of special agents for care of optics is recommended in order to avoid damage of the objective lens surface).

- Darkened picture in photos of sky or water
High contrast in the scene will have impact on the exposure. Change exposure settings in the menu.

- Hangup (no picture on the display, no response to button pressing)
Press RESET button for forced reload of the device.