mini0906 906P Dash Camera User Guide

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User's Guide For
DASH CAMERA

Contents

SAFE DRIVE

Please read this manual carefully before using.

This manual should be kept for future reference.

Warning:
The dash camera should be set up before driving.

Concentration should always be maintained on the task of driving.

Let the dash camera record accidents caused by others not by yourself.

The REMOTE CONTROLLER unit can be stuck to somewhere for easy operating with the round VHB sticker provided; but please be noticed that should not effect the driving. The button of remote controller is big enough for blind operating so please keep your eyes on traffic.

SPECIFICATION

Camera Specification

Novatek NT96670 chipset with 2GB DDR3L
front camera SONY IMX415 8MP StarVIS CMOS image sensor
front lens 135° diagonal view field F1. 7 aperture
rear camera SONY IMX307 2MP StarVIS CMOS image sensor
rear lens 155° diagonal view field F1 .8 aperture
1.5inch TFT LCD panel screen
150Mbps WiFi host for mobile device live view and files download
dual channel recording 4K 30fps + 1080P30fps MAX
single channel recording 4K 30fps MAX
H.265 coding TS file format
supports microSD storage card up to 512GB SDXC

supports WDR (Wide Dynamic Range) boost
supports GPS trace logging (with built-in GPS mount)
supports G-sensor file protection
supports one-key SOS manual file protection
supports exclusive remote centraler for file protection or WiFi switch
supports temperature protection and real-time display
supports parking guard (hardwire kit power supply) with power saving technology
supports up-side-down mounting
support 160° vertical rotating and 6 degree horizontal offset
supports magnetic Circular Polarizing Filter (CPL)

Camera Box Content (standard GPS version)

dash camera body
rear camera kit
6m length extend cable for rear camera
built-in GPS sticker mount
RF remote controller with VHB pad
2° and 4° angle mounting wedges
wedge mounting KB1 .4*6mm screws
5V 2.5A cigar lighter charger
microUSB-USB data cable
cable clips
VHB sticker pads
VHB sticker removing cord
lens cleaner
user manual
optional: microSD card, 24mm CPL filter, Parking Guard hardwire kit, Parking Guard Power Kit, microSD-USB card reader

PC System Requirements

Windows XP or later operating system, MAC 10.1 or later
Intel Pentium 4 2.8GHz CPU or above (recommended 3GHz)
at least 2GB RAM or above (recommended 4GB)
internet connection (for GPS log playback)
the graphics card must support hardware decoding

The manual may be different with the camera according version update.

PRECAUTIONS

- Do not expose the dash camera to dusty, dirty or sandy conditions, if these gets into the camera or on the lens it can damage the components.
- The normal operating temperature of the dash camera is-10°C to 60°C (14°Fto 140°F), it is environment temperature (air temperature in vehicle); and the storage temperature is-20°C to 80°c (-4°F to 176°F) environment. Please refer the temperature curve chart in TEMPERATURE section.
- Do not expose the dash camera to high temperatures. High temperatures can shorten the life span of electronic device, and extremely high temperature will shorten the battery and/or degrade the plastic components. Please notice extreme temperatures can achieve 70°C (158°F) or even higher in parked vehicles under direct sunlight. Expose the dash camera in strong sunlight with Motion Detection mode or Parking Guard mode recording may cause the dash camera malfunction or damaged.

There is temperature protection in this camera which will shut the camera down when the camera temperature reach 95°C (200°F) but please notice that is just a auxiliary method.
Keep the camera recording in high temperature condition will be on yourself risk.

- Do not expose the dash camera to a cold environment. Extremely low temperatures can also damage the electronic components; if there is water moisture in cold environment, freezing water can cause damage as thawing.
- Do not try to dismantle or open the casing. Doing so may result in electrical shock and will most likely result in damaging the dash camera. Dismantle the camera will make it out of warranty.
- Do not mistreat the dash camera, dropping, sudden impact, and vibration can cause damage.
- Do not clean the dash camera with chemicals, cleaning solution or a high concentration detergent. Only a slightly damp cloth should be used.

UPGRADING

Please download the latest mini0906-4K firmware from **www.mini0906.com** to upgrade the camera for improved stability and extra functions.

Extract the FIRMWARE.BIN file to the root folder of your microSD card;
Insert the card into your dash camera and power on.
The camera will auto examine the FIRMWARE.BIN file and start upgrading with the
RED LED blinking but screen will be dark. Don't cut off power when upgrading!
The camera will automatically reboot to record after upgrading finished.
Enjoy-

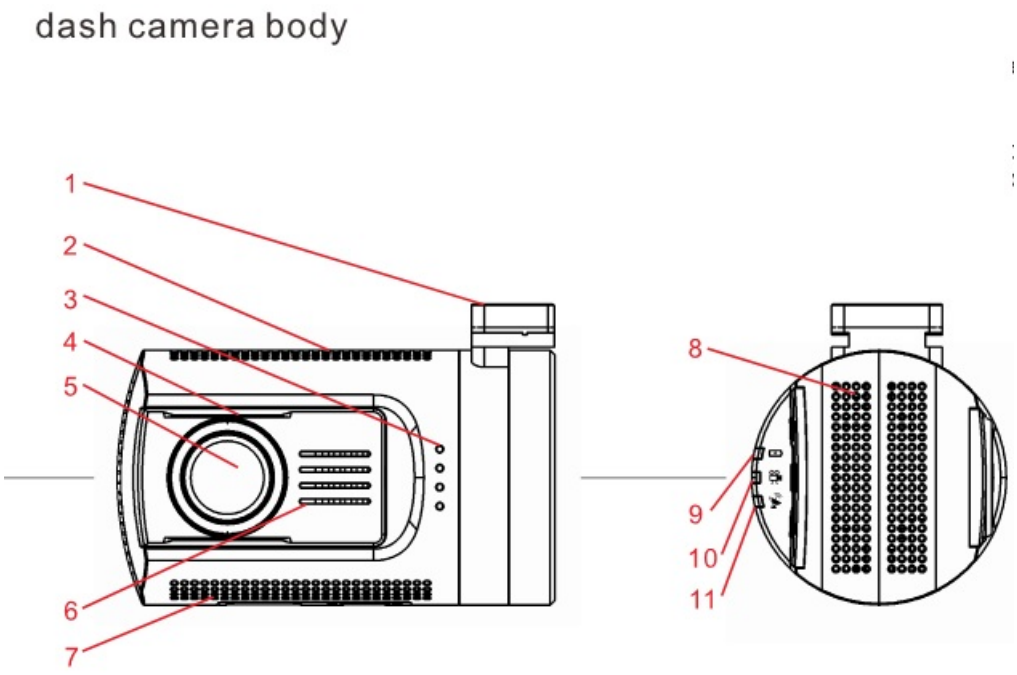
(if you want to upgrade the rear camera firmware, please extract the rearcam.bin file and place to root folder of microSD card then insert into dash camera, the camera will detect the bin file automatically and start upgrading with character status notice.)

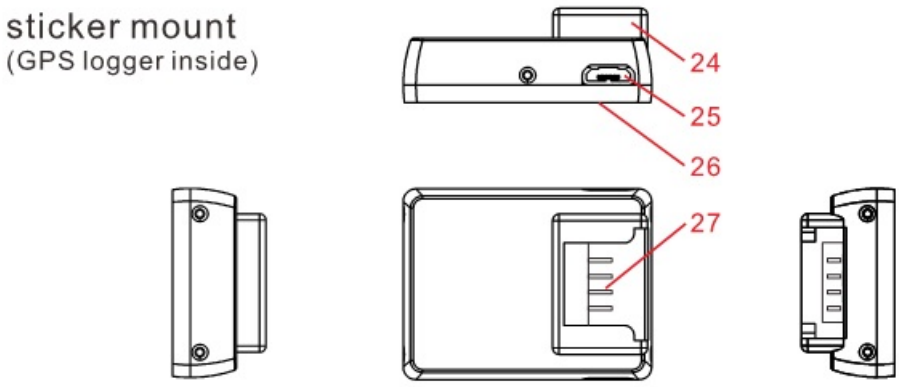
The firmware BIN files will be automatically deleted after upgrading to avoid repeated upgrading when next boot up.

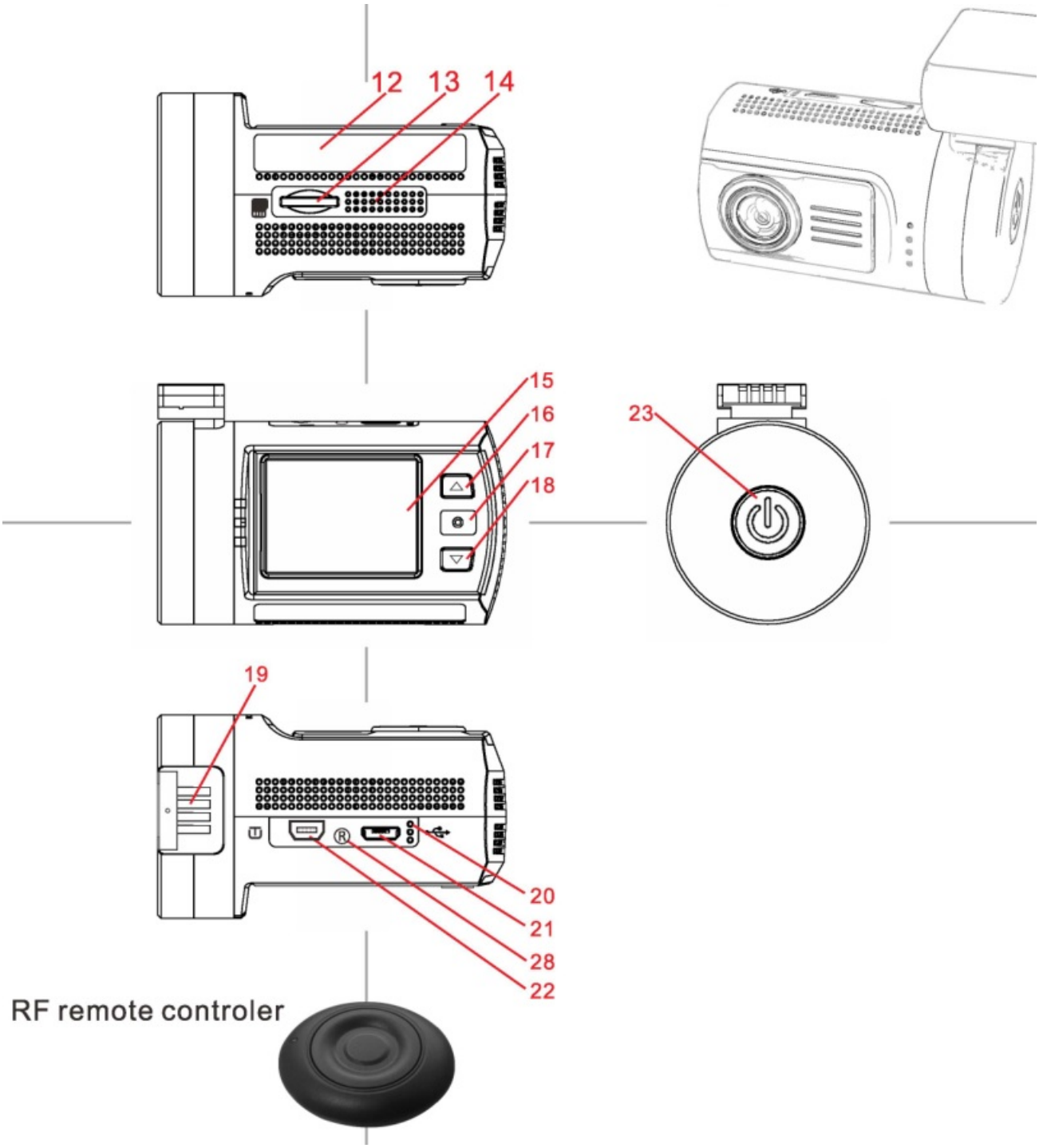
Appearance

1 – mount receptacle
2 – top cooling holes
3 – speaker holes
4 – CPL mounting bar
5 – lens
6 – front cooling holes
7 – bottom cooling holes
8 – side cooling holes
9 – power indicator
10 – recording indicator
11 -GPS/MIC indicator
12 – sticker area
13 – microSD card slot
14 – bottom cooling holes
15 – 1.5″ TFT screen
16- UP button
17 – OK button
18 – DOWN button
19 – mounting contacts

20 – MIC holes
21 – microUSB port
22 – rear camera receptacle
23 – POWER button
24 – mount receptacle
25 – microUSB port
26 – VHB pad
27 – mounting contacts
28 – reset button







OPERATION

Read this chapter to know how to operate the camera.

TURN ON /OFF YOUR CAMERA

You may turn on the camera by pressing the power button when external power (cigar charger or hardwire kit) already connected.

You may turn off the camera by holding the power button for 2 seconds.

The camera is also pre-configured to auto turn on and start recording once it receives power, e.g. when the engine is started with a cigar charger to power the camera.

The camera is also pre-configured to auto stop recording and turn off once it loses power, e.g. when the vehicle engine is stopped.

The camera is also pre-configured to auto turn off if it is in standby mode for a long time without any button operation.

There is no lithium battery built in the camera so it can't be power on without external power supply.

STORAGE CARD PREPARATION

The camera supports single microSD card up to 512GB. It must be high speed microSD SDXC card to avoid storage problems. Kinds of High Endurance cards are recommended.

Dash cameras write data to the microSD card in high speed so there will be file segments created; it is recommended to re-format the microSD card monthly to keep the file system tidy.

Please be noticed the camera was pre-set to high bit rate recording so the lower speed storage card will cause many recording problems.

ROUTE CABLES

There are power cable and rear camera cable need to be connected to the front camera. The cables need to be routed into vehicle roof then power cable go down to cab through A pillar and the rear camera cable continue go to rear windshield. Cable clips and ZIP ties will be useful when you route the cables.

Please be noticed there is high frequency signal transferred on the rear camera cable so it should be routed far away from a remote control receiver or DAB/GPS antenna to avoid signal interference.

Please be noticed over bent or flatten on the rear camera cable can cause impedance change which will bring signal transmission incoherent.

The bending radius should be no less than 1 inch (25mm) as our suggestion.

RECORDING A VIDEO

When the camera is standby (standby means the camera is power on but not recording, waiting for operation), press the OK button to start video recording. When the camera is recording, press the OK button to stop and enter standby. The camera is pre-configured to auto start recording once it receives power, i.e. when the vehicle engine is started.

TAKING A PHOTO

When the camera is in recording mode, hold the OK button for 2 seconds to take photo.

LIVE VIEW ON SCREEN AND SWITCH

The camera screen is too small for Picture-in-Picture live view for both front channel and rear channel camera, so the dual channel live view is shown alternately.

Please press the POWER button to switch between front camera view- rear camera view- screen OFF – front camera view.

There are small FRONT or REAR characters shown on the top left corner to indicate which channel is on live view.

PLAYBACK ON CAMERA

When the camera is in standby mode, hold the DOWN button to enter playback mode.

When the camera is in playback mode, hold the DOWN button to back to standby.

When the camera is in playback mode, press the UP and DOWN buttons to highlight the video or photo you want to review, then press OK button to play/view.

When the camera is playing/viewing a video or photo, hold the UP button to active the sub menu then choose DELETE, PROTECT, PLAYBACK mode; press UP and DOWN buttons to highlight and then OK button to perform the action.

PLAYBACK ON COMPUTER

If you want to playback the videos or photos on computer, a microSD card reader (optional accessory) is needed.

There are GPS PLAYER program download link and digital version manual download link in the service internet page in the root folder of microSD card.

You can also use a compatible media player to playback the video files directly without GPS trace. (You may need a codec for the media playback to decoding the videos, K-lite Codec Pack is recommended.)

If you don’t have a microSD card reader on hand, you can connect the camera with your computer with the supplied microUSB-USB cable; the dash camera will be recognized as a mass storage device on computer. But please be noticed some computers can’t provide enough power for the camera so it will continuous ON/OFF.

RECORD MUTE VIDEO

When the camera is in either standby or recording, you can press the UP button to mute the microphone any time. Press the UP button again to cancel mute status.

SOS MANUAL PROTECT VIDEO

The camera support automatic loop recording which means the oldest video will be over-written by new video when the card is almost full, unless the video is protected (read-only file attribute) then the next file will be over-written.

The camera can auto protect videos if the G-sensor data exceeds the configured threshold, a small lock icon will show on screen when file protected; the icon will disappear when a new file was created.

You can also manually protect the video by pressing the DOWN button; a small lock icon will show on screen when file protected. Hold the DOWN button to cancel protected status, the lock icon will disappear.

SETTING UP THE CAMERA

The camera is pre-configured to provide you a simple plug and play experience – the default setting are the most popular options.

If you are not satisfied with the default setting, you can customize your own favorites.

When the camera is in standby, hold the UP button to enter the setting menu.

Use the UP and DOWN buttons to highlight the subjects you want to configure, press OK button to select; then press UP and DOWN buttons to choose the option you want, press OK button to confirm and exit. Hold UP button to quit SETTING.

Please review the SETTING section to learn about setting subjects.

REMOTE CONTROL

When the camera is in recording mode, press the button on remote control to take a photo and protect current video, press and hold the button to switch ON/OFF WiFi.

There is a small blue LED on the remote control for working status indicating.

You can replace the CR2032 battery in the remote control if the blue LED is dark or the remote control function not working, which means the battery was drain.

SETTING

The camera is pre-configured to provide you a simple plug and play experience – the default setting are the most popular options.

If you are not satisfied with the default setting, you can customize your own favorites.

Please read this section on customize the camera setting when you require a different experience.

WiFi HOST

Here you can active I disable the WiFi host function to allow a mobile device to connect to the mini0906-4K camera for live view or playback.

The default WiFi host SSID is 906-4K_ABCDEFGHIJKL , (ABCDEFGHIJKL is the built-in network card MAC address), the defualt password is 12345678 . You can customize the SSID and password in mobile APP when connected.

If the WiFi host is turn on but no mobile device connected in 3 minutes or mobile device connected but no data transmission for 3 minutes, the camera will automatically turn off WiFi host to make sure system stable.

options: **OFF** **ON**

The WiFi data transmission will take huge system resource which may bring unstable factor or unpredictable system crash. The APP will stop camera recording when review the recorded files. If the camera crash please reboot the camera to recover.

The online playback would be very slow as the recorded 4K file is too big for WiFi data transmission. It is recommended to download the files you want then playback on mobile device. (the mobile device have to be powerful enough for 4K video playback.)

The mobile APP can be downloaded here:

APP/APK free download:
Road Cam scan the QR code to download:

Android

IOS

PARKING GUARD

Parking Guard function is used to monitor the vehicle outside for safety after vehicle parked, with a Hardwire Kit (optional accessory) as power source. Please notice the air temperature in vehicle may get too high in summer, so the built-in temperature protection will help to keep the camera safe on Parking Guard mode. The camera will automatically turn off when the main board temperature go up to 95°C (200°F) and automatically turn on when the main board cooling to 75°C(167°F). There are 7 options for different Parking Guard working mode, each have a different icon expect Normal Recording.

options:

NORMAL RECORDING – require Hardwire Kit to provide power

the camera will continue record normal video even after vehicle parked and ignore the Parking Guard signal. It will be a huge storage consume and the old files will be overwritten.

AUTO POWER OFF – require Hardwire Kit to provide power

the camera will auto power off after vehicle parked to save power and storage space. There is 10 minutes delay to power off to avoid mistake operation. If there is vibration for example door close or ignited, the camera will power on and start recording. Please notice if the triggering vibration happens just on time when the camera turning off, the camera can't respond the starting vibration; this will be a infrequent event.

It is similar operation like cigar lighter charger but provide 10 minutes protection after vehicle engine stop.

ACC MOTION DETECTION – require Parking Guard Hardwire Kit support

the camera will detectACC status signal from PG hardwire kit and auto switch on Motion Detection function while parking. Motion detection is used to reduce the amount of storage space used.
If there is obvious motion detected the camera will start recording and continue until 15 seconds after the motion stops, then switch to standby.

When the vehicle started, the camera will auto quit parking mode (the motion detection function will be auto switch off) and go back to normal recording. AUTO POWER OFF function will not act when camera standby while parking.

ACC TIME LAPSE – require Parking Guard Hardwire Kit support

The camera will detectACC status signal from PG hardwire kit and auto switch to low frame 1fps Time Lapse recording while vehicle parking. The recorded video will be “quick move” effect when playback.

G-SENSOR MOTION DETECTION – require Hardwire Kit to provide power

The camera will count the time 3 minutes from vibration stop and auto switch on Motion Detection function while parking. Motion detection is used to reduce the amount of storage space used.
If there is obvious motion detected the camera will start recording and continue until 15 seconds after the motion stops, then switch to standby. When the vehicle started, the camera will auto quit parking mode (the motion detection function will be auto switch off) and go back to normal recording. AUTO POWER OFF function will not act when camera standby while parking.

G-SENSOR TIME LAPSE – require Hardwire Kit to provide power

The camera will count the time 3 minutes from vibration stop and auto switch to low frame 1fps Time Lapse recording while vehicle parking. the recorded video will be “quick move” effect when playback. Any vibration will wake the camera to normal recording.

There is 3 minutes delay time to enter G-sensor triggered Parking Modes to avoid mistake operation, it is still normal recording in the 3 minutes delay.

In ACC Parking Guard recording, if there is G-sensor triggering by vehicle vibration, the current recorded video will be protected to be read-only to avoid over-writing.

There is icons on the left of screen which show the selected Parking Guard mode.

Paring Guard not activated (driving):

Parking Guard active (parking):

FORMAT CARD

Here you can format the microSD card in camera.
Please be noticed all files will be lost once you start the formatting process. it is recommended to re-format the microSD card every month to remove the file segments and keep the file system tidy.

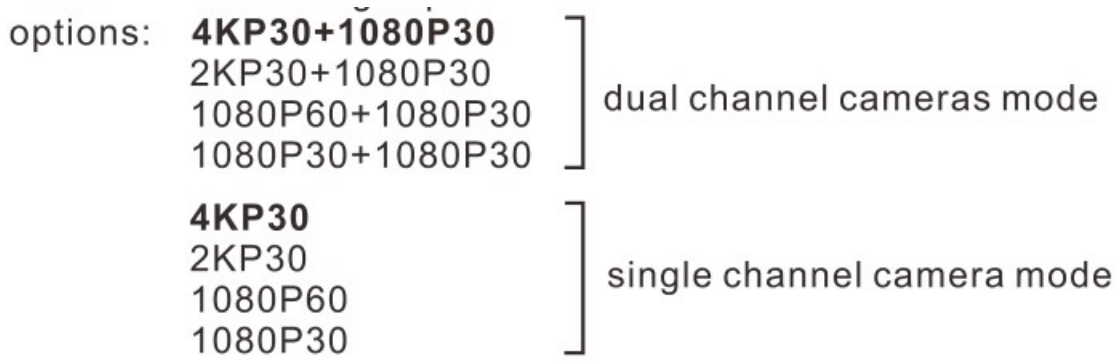
options:
NO
YES

TIPS

PRESS operation means press the button dawn then release quickly;
HOLD operation means press the button down and wait around 1 second;
This works for all the operation in this manual.

VIDEO RESOLUTION

Here you can choose the video resolution you want to use; higher resolution videos will take more storage space.



VIDEO QUALITY

Here you can adjust the video quality; the quality will affect video grain, sharpness, contrast and so on. Better quality videos will result in higher bit rate and take more storage space (the microSD card lift-time will be shorter).
options:
Super Fine
Fine
Normal

AUTO EXPOSURE METERING

Here you can set the measuring area for Auto Exposure; this setting will affect the video brightness and quality.

CENTER is recommended if there is no special requirement.

options:
CENTER
AVERAGE
SPOT

FRONT EXPOSURE COMPENSATION

Here you can manually adjust the front camera Exposure Values to improve the image brightness. An unsuitable setting will make the image too bright or too dark.
options: -2.0 -1.6 -1.3 -1.0 -0.6 -0.3 0.0 +0.3 +0.6 +1.0 +1.3 +1.6 +2.0

REAR EXPOSURE COMPENSATION

Here you can manually adjust the rear camera Exposure Values to improve the image brightness. An unsuitable setting will make the image too bright or too dark.
options: -2.0 -1.6 -1.3 -1.0 -0.6 -0.3 0.0 +0.3 +0.6 +1.0 +1.3 +1.6 +2.0

WHITE BALANCE

Here you can set the image white balance mode to improve the colour balance in video/image in different weather and lighting conditions. AUTO is recommended to fit most conditions.
options:
AUTO
DAYLIGHT
CLOUDY
TUNGSTEN
FLUORESCENT

TIPS
When you confirmed setting items and hold the UP button to quit SETTING, the setting will be saved. But if you cut off the power supply, or use POWER button to power off or use RESET button to re-boot the camera directly, the setting may not be stored. Please take care the correct operation process.

FLICKER

Here you can set the image sensor flicker frequency to fit your AC power frequency and reduce the effect of flickering lamps. Otherwise the traffic light or road lamp maybe flickering all the time.

If you are not sure about the AC frequency in your country please research the article “List of Worldwide AC Voltages and Frequencies ” to find out then set the flicker here.

options:
50Hz
60Hz

ROTATE IMAGE 180°

When you want to mount the camera up-side-down, this setting will help to rotate the screen and recorded image 180″ so the video appears the correct way up when you playback on computer or TV. The button functions will be reversed at the same time so that the UP button is still at the top after the camera rotated.
options:
OFF
ON

REAR CAMERA FLIP

This setting help to flip the rear camera image up-side-down to fit your fixup location & direction of the rear camera.
options:
OFF
ON

LOOP RECORDING

The camera supports automatically loop recording when the card is full. Here you can set the segment length according your requirement. (it is recommended to use default 1 minute base on file size consideration. 1 minute 4K video will be around 200MB with H.265 coding.)
options:
1 MINUTE
3 MINUTES
5 MINUTES

BEEP SOUND

Here you can switch the boot sound and button sound according your requirement. If you turn the sound off, please check the camera status sometimes to make sure the camera works fine.
options:
ON
OFF

INDICATORS

Here you can switch off the indicators according your requirement. Please check the camera status sometimes to make sure the camera works fine if this set to off.
options:
ON
OFF

GREEN INDICATOR
Here you can define the indicating function of the Green Indicator.
options:
GPS STATUS
MIC STATUS

G-SENSOR SENSITIVITY

The G-sensor is used to detect the 3-axis impacting forces (vibration acceleration). If any impact over the threshold value is detected, the current recording file will be locked (protected) to avoid being over-written. Here you can define the sensitivity threshold value.
options:
OFF
LOW
MEDIUM
HIGH

POWER OFF DELAY

If there is no button action when the camera is on standby mode, the camera will auto power off to save power (unless the camera is on Motion Detection mode); (it is a timing on standby mode, not from power source cut off.)Here you can define the delay time.
options:
1 MINUTE
3 MINUTES
5 MINUTES
OFF

SCREEN OFF DELAY

If there is no button action when the camera is on standby or recording mode, the camera will auto turn off the screen to save power and reduce the distraction. You can press the POWER button to turn off/on screen at any time. Here you can define the delay time.
options:
15 SECONDS
30 SECONDS
1 MINUTE
OFF

LOGO STAMPING
Here you can define whether you want to show the camera brand logo on recorded video (bottom left corner).

options:
OFF
ON

GPS STAMPING

The dash camera can record your driving trace and stamp the GPS data on video. Please notice there maybe electronic interference on GPS signal from camera, radar detector, wireless transmitter, or something else; which will delay the GPS connecting or mistake the GPS data. Here you can define the GPS data stamping method.
options:
OFF
LOG ONLY
STAMP ON

SPEED STAMPING
The dash camera can record your driving speed and stamping the speed data on video. Here you can define the speed data stamping method. Please set the GPS STAMPING to LOG ONLY or STAMP ON if you need speed stamping.
options:
OFF
KM/H
KPH

DRIVER NUMBER STAMPING

The dash camera can stamp your driver number or customized phrase on video. Please define the driver number or phrase in next title. Here is the switch.
options:
OFF
ON

DRIVER NUMBER

Here you can define the driver number or customized phrase to stamp on the video.
Total 9 characters or numbers.
000000000

DATE STAMPING

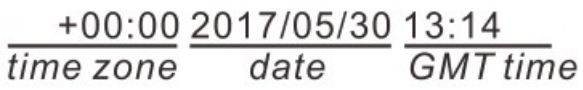
Here you can define the date stamping format on video.
options:
OFF
YYMMDD
MMDDYY
DDMMYY

TIME STAMPING

Here you can define the time stamping format on video.
options:
OFF
12 HOURS
24 HOURS

DATE TIME SETTING

Here you can set the system date and time manually.
The date & time information will be automatically updated once GPS connected.



The time zone should be set before GPS can correctly update the time.
You need to manually add or minus time zone setting here for your time zone or daylight saving time purpose.
(please notice the setting time here is GMT time)

TEMPERATURE STAMPING
Here you can define whether you want to show the camera main board temperature on camera screen (top right corner) and recorded videos (bottom right corner).
options:
OFF
Fahrenheit °F
Celsius °C

LANGUAGE
Here you can set the system language you prefer.
options:
ENGLISH
PYCCKv1f1

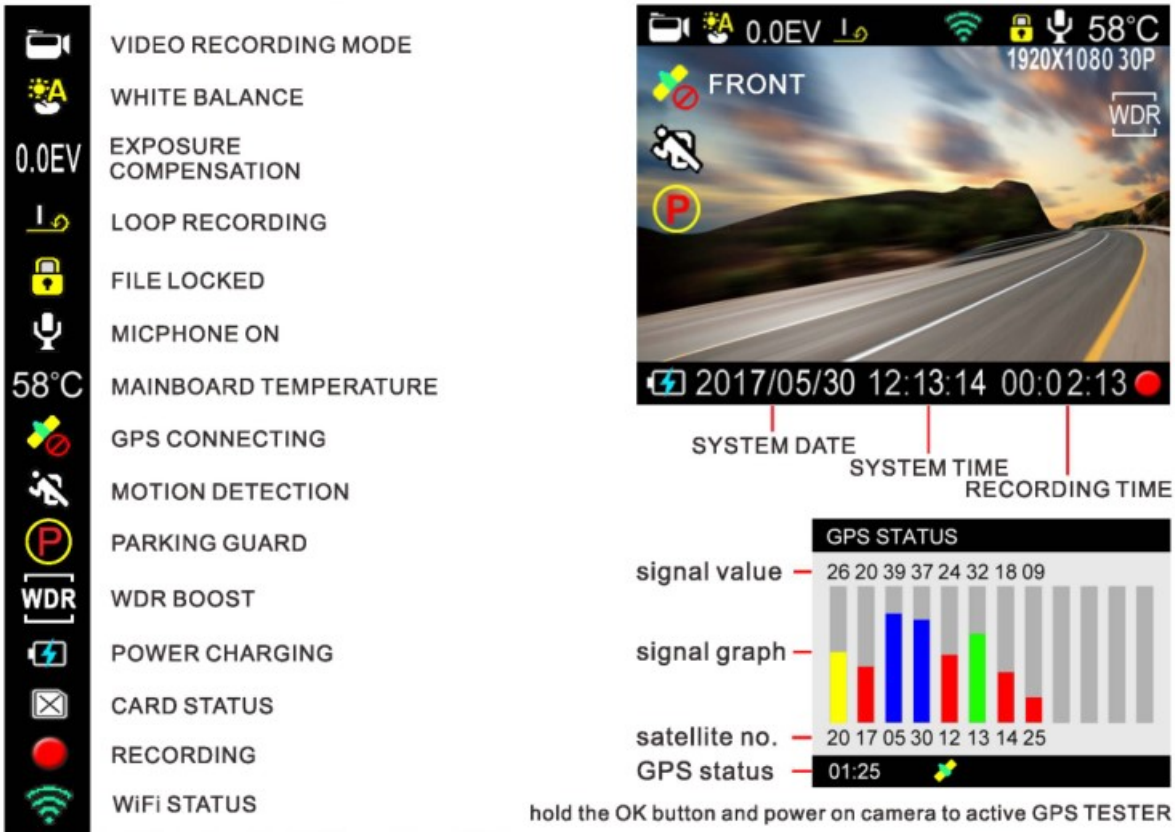
RESTORE DEFAULTS

Here you can restore all the settings to the factory default settings.
options:
NO
YES

FIRMWARE VERSION

example: 906-4K-FW 20201224 V1

UI



Player

The rdCAM player can be downloaded from www.rdcam.com.

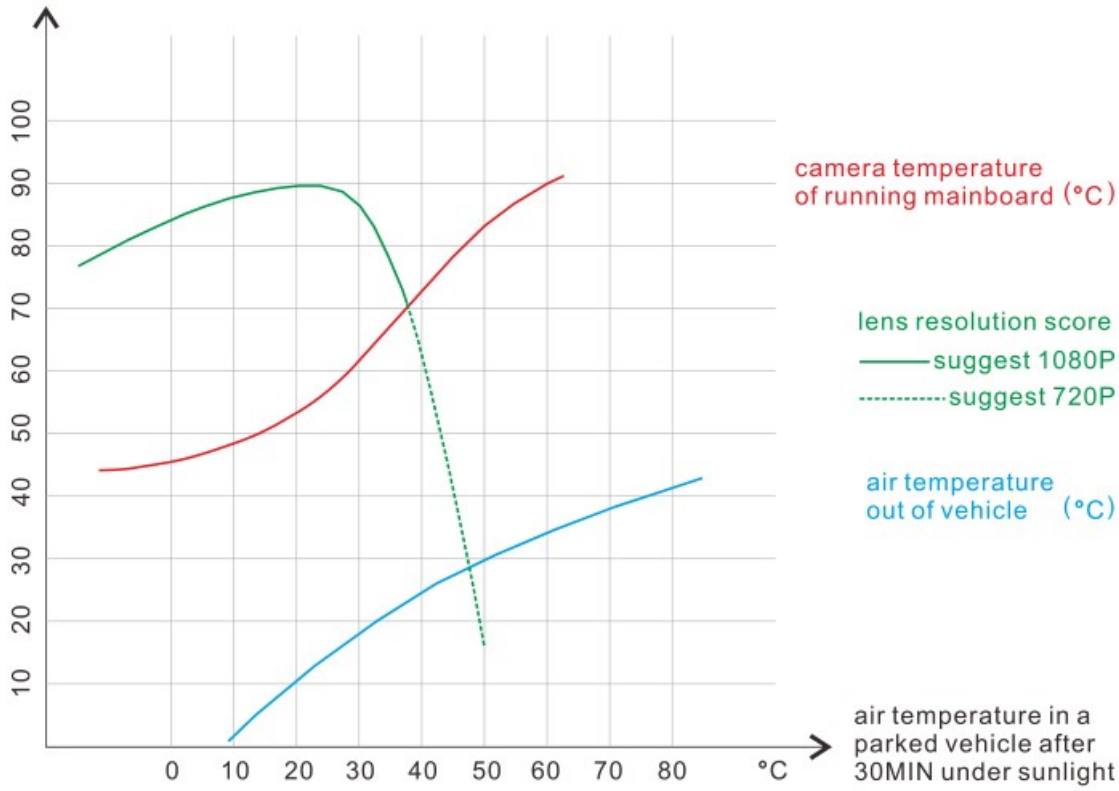
TEMPERATURE

TEMPERATURE IN VEHICLE

When a vehicle parked in direct sunlight, the vehicle inside temperature will dramatic increase in the first 10 minutes and then stable after 25 minutes baking. Please refer the figure below to find out the temperature difference between inside and outside of the vehicle.
The air temperature can achieve 70°C (158°F} or even higher in parked vehicles under direct sunlight in summer, it is dangerous for all consumer electronics. Expose a dash camera in strong sunlight with Motion Detection mode or Parking Guard mode recording may cause the dash camera malfunction or damaged.

TEMPERATURE PROTECTION

The temperature protection function in this camera which shut the camera down when the camera temperature reach 95°C (200°F) will help to reduce the risk and still protect your vehicle all the time even under sunlight, with Parking Guard or Motion Detection function.
Please be noticed the temperature protection is just a auxiliary method, keep the camera recording in high temperature condition will be on yourself risk.



Air temperature & in vehicle temperature & camera mainboard temperature figure please notice this is a reference figure, the curves will be different in different condition.

MOUNTING

The dash camera is designed for easy& quick mounting to your windshield with VHB sticker pad.

1st, insert the camera to the sticker mount with power cable plugged into either the mount or camera body;

2nd, simulate the unit on your windshield with the camera powered on, rotate the camera vertically to find the best mounting location;

3rd, you may need to fit the wedge(s) if you want to mount at an offset location from the top center of the windshield; just screw the wedge(s) to the mount bracket or use the VHB pads in the accessory bag. (screws KB1 .4•6mm also in the accessory bag);

4th, clean the stick surface on both GPS mount and windshield with organic solvent such as alcohol or other, make sure there is no water or grease on the surfaces;

5th, stick the VHB sticker pad to the mount bracket or wedges, and attach to your windshield, hold the mount for a few seconds to ensure good adhesion;

6th, power on the camera and check the camera display again.

when you want to demount the camera, just slide the camera out from the mounting bracket; no need to take the

sticker mount down from windshield.

When you want to remove the sticker mount from your windshield, please use the thin cord (in accessory bag) with a sawing action to cut between the VHB sticker and your windshield and pull the cord to break the mount off from your windshield; then remove the sticker residual with WD-40 spray.

Please don’t break off the sticker mount with a rigid crowbar, which may damage the sticker mount or your windshield.

If you have to place the camera offset from top center of windshield, you need to use the wedges to adjust the camera view direction. There are two wedges attached in accessory bag, one is 2° angle and another is 4° angle. With those you can mount the dash camera at a 2°, 4° or with both together 6° offset location. You can use the attached VHB pads or KB1 .4•6mm screws to mount the wedges to the sticker mount.

TIPS
If your VHB pads are run out, you can purchase 1.1 inch width 3M VHB heavy duty mounting tape from local or internet and cut it to 1.45 inch long to instead the original mounting pads.
It is recommended to be 0.06 inch thickness and black color.

POWER SOURCE

The dash camera can be powered by cigar lighter charger (standard accessory) or hardwire kit (optional accessory).

Cigar lighter charger is a easy & fast connecting method for cameras, the only thing you need to do is plug the charger into the cigar lighter socket in your vehicle. The camera will be powered once the vehicle engine started.

The disadvantage is cigar lighter charger is it will engage your cigar lighter socket, and maybe alignment difficulty for the long cable.

Hardwire kit is used to solve the problem above. The 12V/24V leads are connected to the car fuse or car battery and the SV lead is connected to your camera. The output power from Parking Guard Hardwire Kit can be constant to support the Parking Guard function of your camera. There is Battery Drain Protection in Parking Guard Hardwire Kit to protect the vehicle battery from drain.

You may need some professional skill to install the Parking Guard Hardwire Kit.

Please take care of the un-qualified cigar lighter chargers and hardwire kits above on market.
The accessories without EMC compatible may bring interference to radio receiver or GPS antenna.
The un-qualified hardwire kits may drain your vehicle accumulator battery to die.

ACCESSORIES

All the accessories listed in this page are optional.

CPL filter

Reduce the reflection from shiny surface like vegetation, sweaty skin, water surface, glass, road, and let the natural color come through at the same time.

Some of the light coming from the sky is also polarized to give a more dramatic sky and high contrast clouds, rendering outdoor scenes crisper with deeper color tones.

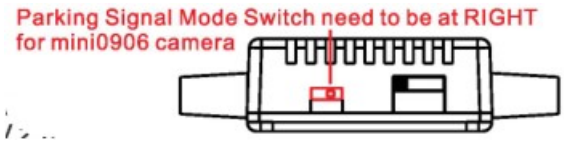
Align the white line on CPL with the dot on camera and rotate for best reflection reducing effect.

CPL filter is highly recommended for mini0906 series cameras.

Parking Guard Hardwire Kit

The Parking Guard Hardwire Kit can be used on mini0906 and other cameras which support Parking Guard function, to protect your vehicle when it parked.

It also can be used as a high quality common hardwire kit on no Parking Guard function cameras, to power the camera and protect your battery from drain.



INPUT:12V/24V
OUTPUT: 5V 2.5A
Battery Drain Protection: (optional 4 levels)
11.8V /12.0V /12.2V /12.4Vor 23.6V /24.0V /24.4V /24.8V
optional Piggy-back Fuses for easy install.

Advanced Intelligent Power Management System

TROUBLESHOOTING

Camera stop record and turn off?
Please use a high speed microSD SDXC card, because the video stream (bit rate) of high resolution video is huge, it is a big challenge for low quality card. we recommend High Endurance cards for recording.

“File Error” prompt while playback a video?
The camera use a super capacitor as backup battery to save the last video when engine stop, it can only power the camera for seconds; the capacitor need at least 5 minutes to recharge to half-full. If you power on & off the

camera frequently there is not enough power in capacitor so the last file will be corrupted. The File Error problem may happen after continual short driving.

Image is blurred?
Please check if there is dust, fingerprint or something else on the lens; use the lens cleaner to clean the lens before using.
Please remember to remove the lens protecting film before first using.
And please notice the definition will be effected by extreme temperature; there will be definition decrease when the camera inside temperature reach 70″C(158″F) at the meantime the vehicle air temperature is 40″C(104″F). Please refer the temperature cure chart.

Camera and image freeze?
Please check the rear camera cable connection and the extending cable itself. If there is bad connection or over-bent /flatten it will be a big impact to the high speed digital signal transmission. And please make sure you are using the qualified power source and qualified microSD storage card. An old card with many bad section will also block the writing speed a lot.

Camera automatically re-boot?
Please check the power supply first. It is recommended to use the attached cigar charger in packaging box or a qualified hardware kit to provide enough power. The second possibility is a low quality or dying microSD card which can not endure the big video flow. The temperature protecting function will auto shut down the camera if the main-board is too hot and auto boot up when it is cooling down, if you parked the vehicle under direct summer sunshine. And the drain protecting of Parking Guard hardwire kit will cut off power supply also, when it detected the vehicle battery voltage is lower than setting value, you may set the protecting voltage lower.

Camera can’t power on?
Please check the power supply in advance. It is recommended to use the attached cigar charger in packaging box which provide enough power. And you may check if it can power on without rear camera. Please make sure the reset button is not press & hold which will block the camera power. A firmware re-upgrade may solve many slight strange problems.

How to perform a full private installation for parking recording?
it is recommended to use the Parking Guard hardwire kit to power the camera. It will drive the camera to parking mode automatically after vehicle parked. The camera will turn off LCD display and LED indicators automatically in Parking Guard mode.

Any maintenance should be performed?
The camera record videos in high bit rate so there will be file segments created on microSD card after long time recording & overwrite; Please re-format the microSD card monthly to keep the file system tidy. Please remember to backup the important files to computer before format operating.

Occasional not responding?
Please use the top RESET button to reset the camera temporarily, then submit the working condition and related files to **service@mini0906.com** so we can find out what happened then maybe debug the firmware.
It is recommend to do a RESTORE DEFAULT settings to check out again.

More questions?
Please feedback on **www.mjni0906.com** or mail to **service@mjni0906.com**

MINI DASH CAMERA

MORE THAN A DASH CAMERA

mini0906 4K

Documents / Resources

	mini0906 906P Dash Camera [pdf] User Guide 906P, Dash Camera