Vmate

SNOPPA

Introduction

Snoppa Vmate is a palm-sized handheld 4k camera integrated with a micro 3-axis stabilizing system. It is remarkably compact, smart and easy to use—allowing you to capture any moment with a professional touch.

Camera

Rotatable lens

Tilt Motor

Roll Motor

Microphone 1

Power/

Shutter Button

Touch Screen

Status LED

Microphone 2

Pan Motor/
Ventilation Area

microSD Card Slot

Lanyard Hole

Type-C Port

Product Maintenance

Storage

Follow the below instructions to put multi-functional case on the Vmate; pay attention to the camera orientation to avoid damage.

*Vmate camera will rotate to a certain direction for 15~20s which is easier to put upper cover on.

The multi-functional case can be a phone holder while protecting Vmate, efficiently for one-handed operation.

Take off the upper cover

Pull down

Adjust the position

Power/Record Button

1.Power On/Off

Power On: In the off state, press the Power/Record button for around 1 second.

Power Off: In the power-on state, press and hold Power/Record button for about 2 seconds.

*If your device isn' t working or won' t turn off/on, as usual, you can force to restart it. Just press and hold the Power/Record button for 15 seconds or longer.

*There will be movement of Vmate three axes (roll, pitch, and yaw) for self-test during booting up; Do not touch the device during the period to avoid affecting the equipment performance .

*Self-discharge in batteries will happen during storage; please charge the device before turning it on if the product cannot boot up normally.

2. Photo/video
   Under the shooting interface, tap the power/record button to take photos or videos.

**3. Back to Camera View on the Touch Screen**
   On any pages on the touch screen can short press the power/shutter button go back to camera view page in an instant (exclude camera view page itself).
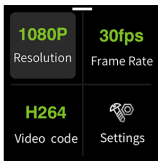
Insert the microSD card

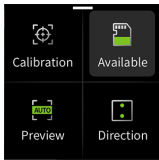Insert the microSD card (Self-purchase) into the microSD card slot as shown.

It is recommended to use a microSD card with or over a UHS-1 Speed Class 3 (U3), the max capacity is 512 GB. Be sure to format the microSD card via the device at the first use before recording videos/pictures.
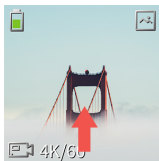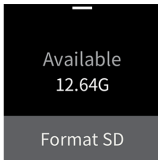
Swipe up on the touch screen
to enter gimbal Settings page

Tap Settings

Tap Available

Tap Format SD

*Due to the complexity of SD card parameters, below
SD card brands and models are recommended:
1. SanDisk UHS-1 U3 - 64G and over
2. Lexar 667x and over

*A microSD card is required to update firmware and

Charging

When the battery level is low, the red light is always on if turned on the device. Charge the device in time in case it running power out and shut down.

Using the Charger that Came with Your Device
1. Use the USB cable that came with your Vmate to connect your Vmate and the adapter (User-supplied).
2.Plug the adapter into a power socket.
Charging time: Approx. 100 mins (when using a USB adapter of 5V/2A).

Refer to the below for status LED instructions.

Status LED

Low battery：Solid red

Charing：Blinks green

Full battery/Normal：Solid green

Rotatable lens

· Hold the camera rotatable lens with hand and rotate the lens 90 degrees counterclockwise to switch to "landscape filming".

· Hold the camera rotatable lens with hand and rotate the lens 90 degrees clockwise to switch to "vertical filming".
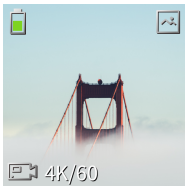

Landscape   Portrait

*Set landscape/portrait mode through Vmate touch screen at the same time when rotated rotatable lens to landscape/vertical filming.
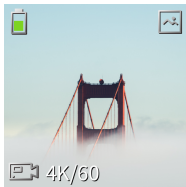
Operating the Touch Screen

The touch screen displays the camera view after turned on Vmate, as well as the shooting parameters, battery level and album etc.

Details as follows:

Show current shooting mode and parameters.

Media library, tap to view shot pictures/videos.

Touch screen camera view:

⚡ -Full Charge   🔋 -Sufficient battery
⚡ -Charging   🔋 -Not enough power

📵 -No SD card
💾 -Insufficient SD card memory
No-icon if with SD card and
sufficient memory
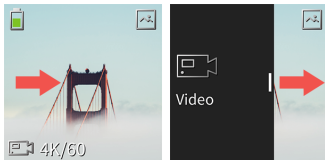
⌞ ⌝ -Focusing
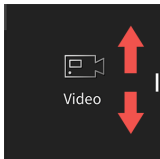⌞ ⌝ -Focus failed
⌞ ⌝ -In focus

Swipe Right

Swipe right on the touch screen to enter the shooting mode settings page and swipe up or down to select the desired shooting mode.

The displayed shooting mode will automatically be the current shooting mode, then tap the screen or swipe left to back camera view.

Swipe right to enter shooting mode settings page

Swipe up or down to select desired shooting mode

*Swipe up on the camera view page to set shooting parameters for current shooting mode.

📷◁ **Video**

Supported to set the video resolution, frame rate, and video codec.

· Optional video resolution/frame rate:
  1080 24/25/30/50/60; 1080+(1080p downsampled 4K)
  24/25/30/50/60; 4K 24/25/30/50/60
· Optional video codec: H.264; H.265

📷 **Photo**

Supported to set photo format and ratio.
· Optional photo format: JPG; DNG
· Optional photo ratio: 3:2;4:3;16:9

🖼 **Panorama**(not available in portrait mode)

· Supported methods to set panorama: 90°/180°/270°/3×3
  90°: four lateral images combine to one picture；
  180°: seven lateral images combine to one picture
  270°: ten lateral images combine to one picture
  3×3: three images above in every three layers combine to
  one picture

· Optional photo ratio: 3:2；4:3；16:9

⏱ Timelapse

Supported to set shooting interval, duration, and resolution.

· Optional shooting interval: 0.2s/0.5s/1s/2s/4s/8s/10s
· Optional duration time: 10s/30s/1min/2mins/5mins
· Optional resolution: 1080p；1080+；4k

🐢 Slow motion

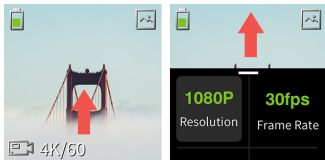· Optional shooting speed: ：×2/×4/×8
· Optional video codec: H.264；H.265

☽ Night photography

Supported to set exposure time, picture format and ratio

· Optional exposure time: auto; 1×; 2×; 3×; 4×; 5×; 6×; 7×
· Optional photo format: JPG; DNG
· Optional photo ratio: 3:2；4:3；16:9

Swipe Up

Swipe up on the touch screen to set parameters of current shooting mode or enter the gimbal settings page.

Swipe up to enter settings page

Tap ⚙ settings icon to enter the gimbal settings page, swipe left or right to select a setting.

Calibration：tap the icon to calibrate the gimbal. Calibration is used to reduce drift and lens imbalance issues caused by human error, surrounding temperature and transportation conditions, or nearby magnetic interference. Place Vmate on a steady flat surface and do not touch during calibration.

Space left: Tap the icon to view the remaining capacity of the microSD card and format the microSD card option.

Preview: Tap the icon to switch between the full screen display and normal display.

Landscape/Portrait screen shooting: Must set landscape/portrait mode through Vmate touch screen at the same time when rotated rotatable lens to landscape/vertical filming with the desired need.

Auto power off: Tap the icon to set auto power-off timer; available to set 30s/1min/3mins/10mins without operation will automatically shut down.

Brightness: Tap the icon to switch between the three brightness levels.

Battery level: Display the battery level of Vmate.

Firmware version: Display the current firmware version.

Language：Tap the icon the switch device language.

**Factory reset**：Tap the icon to reset to default settings.

Regulatory：Tap the icon to view basic device information: product name/model/manufacturer etc. (swipe left and right to show above information).
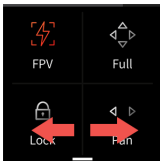
Swipe Down

Swipe down on the touch screen to enter gimbal follow mode settings page, tap to select the desired follow mode, swipe left and right to view the all follow modes.

Swipe up on the follow mode settings page to back the camera view page after selecting the desired follow mode.
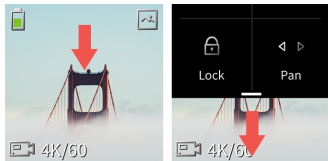
Swipe down to enter the follow mode settings page

Swipe left and right to select the desired follow mode

FPV: Pan, tilt and roll axes all follow the movement of the handle.

Full Follow: Pan and tilt axes follow the movement of the handle.

Fast full follow: Speed up the full follow mode for shooting a fast-moving subject.

Lock: Three axes are locked, the camera view will unchanged in this mode.

Pan Follow: Only the pan axis follows the movement of the handle.

Fast pan follow: Speed up the pan follow mode for a fast scene transition requirements.

Controlling camera movement on the touch screen

Tap and hold the right of the touch screen to manipulate camera up and down movement; tap and hold the bottom of the touch screen to control the camera left and right movement.

Move the camera horizontally

Move the camera in the pitch direction
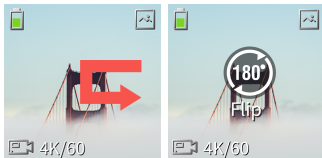
Re-center

Swipe from the right edge of the touch screen to the left to re-center the camera.

Swipe from right to left, re-centered

Flip

Swipe from the right of the edge of the touch screen to the screen middle and immediately slide to the right to switch the gimbal facing forward or backward.
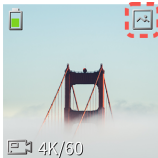

Swipe from right to left then to the right, flipped

Media library management

Tap media library icon on the top right corner of the touch screen to enter the media library, swipe left, and right to view shot pictures or videos.
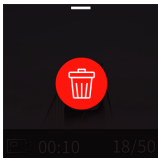
Swipe up on the media library page, and tap 🗑 to delete the current picture or video, or swipe down continuing view the picture/video.
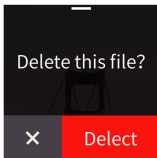

Tap the icon on the screen top right corner
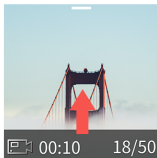
Swipe up on that page

Tap delete icon

Tap delete button to delete picture/video

Downloading the Vmate App

Scan the QR code below to download the app, or search "Vmate" on App Store/search "Snoppa Play" on Google Play to download it.
(The name of Vmate App on IOS is "Vmate" and on Android is "Snoppa Play)

*The IOS version of Snoppa Vmate is compatible with IOS V11.0 and later; the Android version of Snoppa Vmate is compatible with Android V8.0 and later.

App Connection

Launch Vmate App after confirming that Bluetooth and Wi-fi settings of the phone are turned on, then tap "Connect the device" to enter the device searching page, select device name currently in use (device name start with vmate) and tap "Join" to connect with the device.
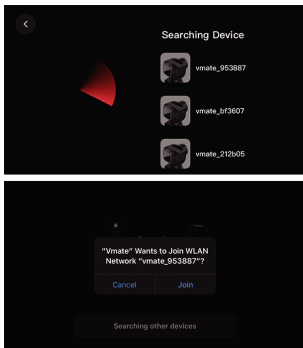
Please follow the instruction (P1) to tap the "confirm" icon ▣ (P2) on the touch screen of the device to complete the connection after successful authorization.
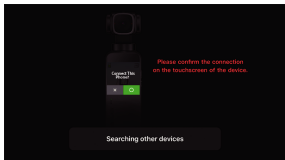
P1
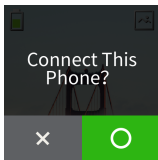
P2

Reminder: The touch screen of the device will automatically dim to save power; please operate shooting directly via the Vmate app; If you want the touchscreen back to work, tap the screen to bright and swipe up to cancel the dim mode.

App Interface Introduction

Home Page
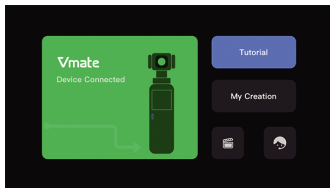
Vmate: Tap to enter camera view.

Tutorial: Tap to view Vmate manual.

My Creation: Tap to view pictures and videos which downloaded on the phone.

VN Editor: Tap to quick import videos to the VN app.

Help & Support: Tap to inquiry solution or Customer Service.

Camera View
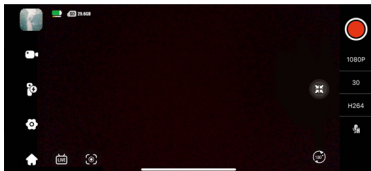
1.Album：Tab Album to view shot photos and videos.

2.Battery Level：The upper icon displays the current battery level of Vmate; the icon below displays the current battery level of the phone.

3.SD Card Information：

Sufficient SD card storage

No SD card

Insufficient SD card space

4.Shutter Button：Tap to take a photo or to start or stop recording video.

5.Shooting Parameters Settings：Tap to set parameters of current shooting mode.

6.Virtual Joystick：Pull the virtual joystick left and right to control pan axis movements, and pull the virtual joystick up and down to control tilt axis movements; double-tap the middle of the joystick to re-center the camera; push the joystick to 180° to switch the camera between facing forward and backward when the icon turned red.

7.Recording equipment：Tap to view and select the current recording device: phone microphone, Vmate built-in microphone, and Bluetooth microphone.

8.Smart Tracking：Tap to enable/disable smart tracking; when enabled smart tracking, drag a box on the screen to frame the target to be tracked, and Vmate will track the subject automatically. (not available in portrait mode)

9.LIVE：Tap Live icon to follow the instruction to enter RTMP URL and stream code to go live; tap the top right corner ⑦ to learn how to obtain RTMP URL and stream code.

10.Home：Tap to back to Home page.

11.Settings：Tap to view and set app preview, calibration, broadcaster, and device information, etc.

12.Following Modes：Tap to view and select the follow mode.

13.Shooting Modes：Tap to view and select the shooting mode.

Updating Firmware

Vmate supports updating firmware online or via microSD card, it is recommended to upgrade online.

Upgrade online

When Vmate app-connected, an on-screen alert will be received if new firmware is available. Follow the on-screen instructions to update the firmware.
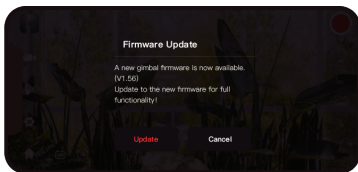
Or tap ⚙ on App camera view page to enter gimbal settings page, slide down to view the current firmware version; tap 📡 to upgrade the firmware if there is a new firmware version available.
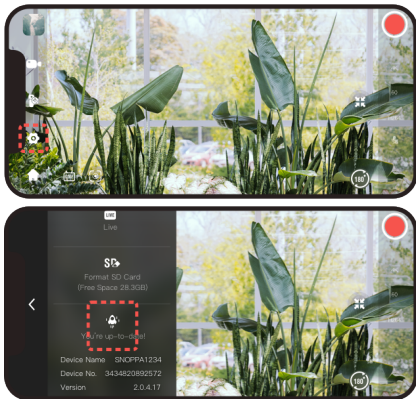
Upgrade via microSD card

1.Insert SD card into Vmate SD card slot, enter settings page on the touch screen to format SD card.

2.Visit https://www.snoppa.com/updatefailed.html and follow the instructions to download the firmware pack and unzip it, then move the decompressed package to the SD card. (do not rename the folder).

3.Reinsert SD card with firmware pack into Vmate SD card slot when Vmate is in shutdown status, long-press the Power/Shutter button till the green light blink. (Flashing green light indicates that the firmware is being upgraded, please be patient)

4.Vmate will automatically restart when the update complete.

*1. A microSD card is required to update firmware;
2. Make sure Vmate battery level is enough before updating firmware;
3. Vmate will automatically restart when the update complete.

Maintenance Notes

· Vmate gimbal camera is a hign-precise control device. Please do not drop it or have it hit by external force. And please ensure that the gimbal doesn' t be blocked by outside forces when it is moving. Otherwise, the machine might be damaged and be led to abnormal operations.

· Make sure there is nothing obstructing the gimbal when Vmate is powered on.

· Vmate is not water resistant. DO NOT use any liquid cleansers. Only use a soft dry cloth to clean Vmate.

· Keep Vmate aways from sand and dust to safeguard the sensors in the motors.

· The surface of Vmate camera and touchscreen are glasses, be careful to avoid from cracking breaking.

· To ensure the battery life of Vmate, please store Vmate in a cool and dry place after fully charged if the device will not be used for a long time.

Specifications

General

Name	Vmate
Model	S191
Dimensions	122 X37.6 x32.3 mm
Weight	125g (Vmate only)
Case Weight	46g

Gimbal

Controllable Range	Pan: -270˚ ~ +90˚ Tilt: -98˚ ~ 50˚ Roll:±45˚
Max Controllable Speed	120°/s
Angular Vibration Range	±0.005°
Operating Temperature	0℃~40℃

Battery

Type	LiPo
Capacity	2100mAh
Voltage	3.7V
Operating Temperature	0℃~40℃
Operating Time	210 mins (1080p/30fps, video shooting by device only) 150 mins (4k/30fps, video shooting by device only) 100 mins (4k/30fps, video shotting by app-connected)
Charging Time	When using a USB adapter of 10W (5V/2A)

Camera

Sensor	1/2.3 '' CMOS Effective pixels: 12M

Lens	FOV:81°, F2.0
	equivalent focul length:26mm
ISO	Photo:ISO 100-3200
	Video:ISO 100-3200
Max Image Size	4000x3000
Photo formats	JPEG, DNG
Video Resolution	4K Ultra HD: 3840x2160@
	24/25/30/50/60fps
	FHD: 1920x1080@
	24/25/30/48/50/60/120/192 fps
Video Recording Modes	Video/Slow motion/Timelapse/
	Hyper timelapse/Trace Timelapse
Max Video Birate	200 Mbps(H264);
	100 Mbps(H265)
Supported File Format	FAT32
Video Format	MP4

| **Supported SD Cards Type** | Micro SD（U3）Max512GB |
| **Audio Output** | 48 KHz; AAC |

Wireless

Bluetooth	Bluetooth 4.1
Wi-Fi	Wi-Fi 802.11ac（5G）
USB Port Type	USB3.1 Gen1 Type-C
Video Codec	MPEG-4 VC/H.264/H265

Compatible Phones for Vmate Case

| **Thickness** | ≤10mm |
| **Width** | 61-84 mm |