I. List of articles

Morange M1 Pro

Camera
x1

Leather Packing Case
x1

Strap
x1

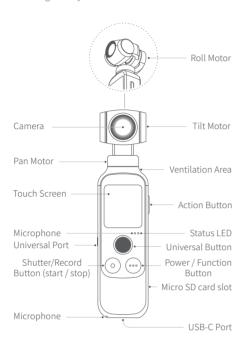USB Type-C Adapter
x1

USB Adapter
x1

Charging Cable
x1

II. Product introduction

Morange M1 Pro is tiny and cute and can be held with one hand. Equipped with Morange vision engine developed by Moshon Technology, it can realize intelligent identification and automatic following of the subject. With AI intelligent beauty feature, it can capture every beautiful moment. The convenient and quick one-key shot can intelligently select the gorgeous clips and automatically match the template to create a vlog with a sense of a blockbuster. The company cooperated with Tik Tok to launch a dedicated mode which provides builtin hot special effects and background music.Easy shooting, quick cut, and convenient sharing make vlog shooting so easy.

Roll Motor
Tilt Motor
Camera
Pan Motor
Ventilation Area
Touch Screen
Action Button
Microphone Universal Port
Status LED
Universal Button
Shutter/Record Button (start / stop)
Power / Function Button
Micro SD card slot
Microphone
USB-C Port

* Please do not block the Microphone during video recording to prevent the acoustic effect from being influenced.
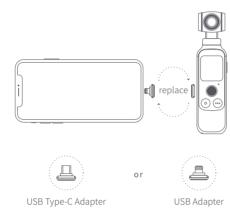
III. Install "Morange" APP

Please search "Morange" in the APP Store or Google Play download and install it.

IV. Start up and connect mobile phone

Start up: short press "Power / Function Button" for 1s to start up;

Close down: long press "Power / Function Button" for 2s to power on or off. Long press "Power / Function Button" for 10s to forcibly shutdown.

First start the Morange APP (unnecessary for Android mobile phones). After the camera is turned on, remove the extension interface cover per the following figure and connect the mobile phone connector to the phone charging port.
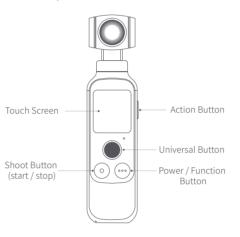

replace

or

USB Type-C Adapter

USB Adapter

V. Install and remove the memory card

1. It is recommended to use a Micro SD card whose writing speed is stable at no lower than 30MB/s U3 (purchased sepa- rately);
2. To remove the Micro SD card, press its top edge and it will be ejected out.

Micro SD card

VI. Functional operation

Short press "Shoot Button (start / stop)", "Power / Function Button", "Action Button" and slide the"Universal Button" and "Touch screen" to perform the Functional operation.
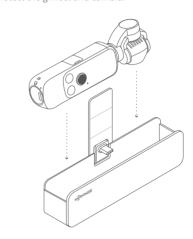

Touch Screen
Action Button
Shoot Button (start / stop)
Universal Button
Power / Function Button

VII. Charge

The USB Type-C Adapter is used to charge the Morange M1 Pro.
• The green indicator stays on during charging while powered on (battery level > 15%). You can view the remaining battery level in the Pull- down menu > System setting > Battery on the camera screen.
• The indicator turns off once the device is cha- rged fully when powered off.

VIII. Placement in leather packing case

When the camera is not used, place it in the leather packing case in the direction as shown in the figure to protect the gimbal and camera.

IX. Description of restricted substances contained in product

Part name	Toxic and harmful substance or element					Environment friendly use period
	Pb	Hg	Cr⁶	PBB	PBDE	
Main body	×	○	○	○	○	
Battery	○	○	○	○	○	⑩
Annex	×	○	○	○	○	

"O" represents the content of the toxic and harmful substance in any homogeneous mat- erial of the part is below the limit level spe- cified in 2015/863/EU standard.

"X" represents the content of the toxic and har- mful substance in at least one of homogeneous material of the part is higher than the limit level specified in the 2015/863/EU standard.

The product complies with RoHS environmental protection requirements: there is no proven technol- ogies internationally that can substitute or reduce the content of Pb in electronic cer- amics, optical glass, steel, and copper alloy.

Please upgrade it to the latest system version and view the latest version on the Morange APP or Morange official website.
"Morange M1 Pro Vlogging Pocket Camera Start Guide"
www.morangezone.com

X. Specifications

General	
Name	Morange M1 Pro Vlogging Pocket Camera
Model	MSC21
Dimensions	133.2 × 41.4 × 32.6mm
Weight	136g
Input	5 V⎓2 A Max
Battery Type	LiPo
Battery Capacity	1000mAh (7.4V)
Operating Temperature	0°C-40°C
Charging Time	1 hour (when using a USB adapter of 5 V⎓2 A charger)
Operating Time	150 Mins (the value of 1080P 30FPS video recorded in laboratory, just for reference)

Camera	
Sensor	1/2.3 '' CMOS ,Effective pixels : 12M
Lens	FOV116° F2.8
ISO	100~3200
Electronic Shutter Speed	1/8000~30s
Max Image Size	4000 × 3000
Still Photo Graphy Mode	Countdown, Long Exposure, Ordinary Mode
Max Video Bitrate	100Mbps
Supported File Systems	FAT32
Picture Formats	JPEG
Video Formats	MOV/MP4(MPEG-4 AVC/H.264)
Audio Output	None
Video Resolution	4K Ultra HD :3840 × 2160 (24/30/60FPS) 2K :2560 × 1440 (24/30/60FPS) FHD :1920 × 1080 (24/30/60FPS)
Video Mode	Timelapse ,Motionlapse, Ordinary Video, Slow Motion (Resolution is 1080P60/120/240FPS)
Supported SD Card	It supports a maximum of 256GB. It is recommended to use a U3-grade Micro SD card whose writing speed is stable at no lower than 30MB/s

Gimbal	
Angular Vibration Range	+/-0.01°
Maximum Controllable Speed	120°/s
Controllable Range	Pan: -220° to +75°; Roll: ±50°; Tilt: -45° to +95°
Mechanical Range	Pan: -240° to +80°; Roll: ±90°; Tilt: -100° to +105°

XI、Disclaimer & Warning

Thank you for purchasing the Morange Handy Movie Maker M1 Pro. Before using, please carefully read and properly understand the product specification and set up the product correctly.

Once starting to use the product, you shall be deemed to have carefully read and properly understood the disclaimer and warning, accepted all the contents of the disclaimer and warning, and committed to take the full responsibility for the product and its possible consequence. If you fail to properly operate according to the product specification or fail to observe the precautions which results in any personal injury or property loss, Shanghai Moshon Technology Co., Ltd. (hereinafter referred to as Moshontek Technology) shall not bear any responsibility.

The copyright of specification, trademark and name belongs to Moshontek Technology and its affiliated parties. For any disagreement between the specifica- tion content and actual product, the latter will prevail. It may be subject to changes without prior notice. Please visit the official website www.morangezone.com and Morange APP to obtain the latest product informa- tion.

If you have any dissent on any content or clause in the specification, please raise it in written format to MeetVR Technology within seven days after buying the device. Otherwise, you shall be deemed to have agreed, understood, and accepted all the contents of the specification. Moshontek Technology reserves the right to interpret and modify the specification within the law.

Morange is the trademark of Shanghai Moshon Technol- ogy, Co., Ltd. The product names and brands, etc. in the document are all the trademarks or registered trademarks of the companies to which they belong.

XII. Precautions

Warning

1. It is strictly prohibited to let the product come into contact with any liquid including water. Never immerse the product into any liquid or let it get wet. Before using the product, please ensure a dry surrounding environment. Never use it directly in rain or a humid environment. If exposed to water, the product inside may undergo corrosion reaction, thus causing the bat- tery to ignite spontaneously and even explode. It is re- commended to use a soft dry cloth to clean this product.

2. In the event of product fire, please stop using it im- mediately and use water, sand, dry powder extingui- sher or CO₂ extinguisher, etc. to put out the fire. Please select the extinguishing method according to the se- quence recommended above as per the actual condi- tions.

3. It is forbidden to disassemble the product in any means. If disassembled, the battery may be punctured, which may cause the electrolyte inside to leak or even give rise to fire or explosion.

4. It is forbidden to subject the product to any impact, heavy load, grinding or falling. Throwing, falling or sub- jecting to impact, heavy load or grinding may damage the camera and result in abnormal operation.

5. It is forbidden to heat the product or leave it near a heat source. Please do not place the product in a mic- rowave oven, pressure cooker, or steamer. Please do not place the product in a hot car during a hot day. Please use the product in the environment between 0°C and 40°C. When the product is not used, it is reco- mmended to store it in the environment of 22°C to 28°C. Never allow the temperature to be higher than 60°C.

6. It is forbidden to store the product for long time if the battery has been completely discharged, thus pre- venting the battery from being over discharged which may otherwise damage the battery cells and is unre- coverable. If the battery is not used for long time, it may enter an overdischarge status due to its self-discharge feature. To prevent over-discharge, the battery should be regularly charged (at least once every three months) to maintain its voltage to 7.4V-7.9. The 7.4V corresponds a battery level of about 30% and 7.9V corresponds to about 75%.

Note

1.Ensure the gimbal rotation will not be hindered by external force after the Morange M1 Pro Vlogging Pocket Camera is turned on.

2.Please keep the handle stable during the Morange M1 Pro is being started up. Rocking Morange M1 Pro during startup may cause a startup failure.

3.Please note to protect the Morange M1 Pro from water, dust, and sand during use.

4.Never touch the metal contacts of the extension inter- faces of the Morange M1 Pro during use to prevent burns. Please install the equipped protective cap to protect the extension interfaces when the device is not used.

5.Please do not cover or contact your limbs with the heat radiation area during use to prevent burns. If the camera gets too hot, it may automatically interrupt shooting.

6.When the product is not used, please place the ca- mera properly into the leather packing case according to the specification. If placed improperly, it may cause the gimbal to be damaged.

7. When using the Adapter to install the mobile phone onto the camera, please hold the mobile phone and camera respectively with two hands. Improper holding posture may cause the device to fall and be damaged or damage the Adapter.

8.Please use the Adapted charger to charge the pro- duct. After the charging is finished, please disconnect the product from the charger in time.

FCC STATEMENT:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two con- ditions:

(1) This device may not cause harmful interference, and.

(2) This device must accept any interference re- ceived, including interference that may cause un- desired operation.

Morange M1 Pro
Vlogging Pocket Camera
Quick Start Guide

MORANGE