

User Manual

Content

1 . PRECAUTIONS:	2
2 . PREPARATION BEFORE USE	3
PARTS OF THE ASTRONOMICAL TELESCOPE:	3
DESCRIPTION OF BUTTON	4
3 . INSTALLATION GUIDE:	5
HOW TO CHARGE THE BATTERY:	5
HOW TO INSERT THE MEMORY CARD:	5
HOW TO FORMAT THE MEMORY CARD:	6
HOW TO SELECT A LANGUAGE:	6
HOW TO SET THE DATE AND TIME:	7
4 . HOW TO USE THE TELESCOPE:	7
HOW TO TURN THE ASTRONOMICAL TELESCOPE ON AND OFF:	7
HOW TO FOCUS CLEARLY:	8
HOW TO CHANGE THE RECORD MODE:	8
HOW TO TAKE STILL IMAGES:	9
HOW TO RECORD A VIDEO CLIP:	10
HOW TO TAKE TIME-LAPSE VIDEO:	11
HOW TO ADJUST THE EYEPIECE	12
HOW TO ADJUST THE DISPLAY ANGLE	13
5. HOW TO USE THE MENU IN RECORD MODE ·	13
6 . REMOTE CONTROL(OPTIONAL) OPERATION	20
7 . <i>APP INSTALLATION & DEVICE WI-FI</i>	20
8 . HOW TO CONNECT AN ASTRONOMICAL	

TELESCOPE TO A COMPUTER	26
9 . TECHNICAL SPECIFICATIONS	27
10 . CLEANING AND MAINTENANCE	29
11 . TROUBLESHOOTING	30
12 . IMPORTANT NOTE	31
13 . FCC WARNING	33

Please read these instructions carefully so that you can use the Astronomical telescope correctly. Keep the instructions in a safe place after reading them for your future reference.

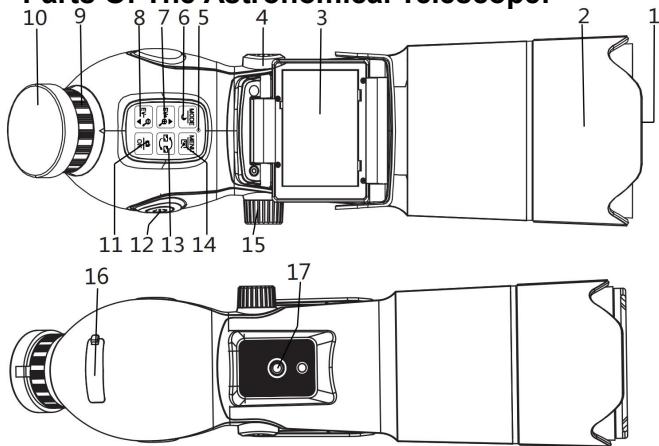
1 . PRECAUTIONS:

Before using the astronomical telescope, make sure you read and understand the safety precautions described below.

- If there is any malfunction in the telescope, do not try to fix it yourself. Maintenance and repair can only be carried out by authorized service providers.
- This digital astronomical telescope is touch button, just touch with fingers (wet hands will cause insensitive touch function), avoid excessive press.
- Use only recommended power accessories. Use of a power supply not specifically recommended for this device may result in overheating, device distortion, fire, electric shock, or other hazards.

2 . PREPARATION BEFORE USE

Parts Of The Astronomical Telescope:



1 . Objective/ protective cover	2 . Lens hood (retractable)
3 . Display (external screen)	4 . Microphone
5 . Status indicator light	6 . Mode/ Moon viewing button
7 . Up /EV+/ zoom button	8 . Down /EV-/ zoom out button
9 . Eyepiece diopter adjusting wheel	10 . Eyepiece (Internal screen)
11 . Shutter/OK button	12 . Power button / Wi-Fi switch

13 . Internal and external screen conversion button	14 . Menu/ color effect button
15 . Objective focus wheel	17.Tripod screws
16 . USB port /Micro SD card slot/reset hole	

Description of Button

Power button/WiFi switch: Long press the Power button/WiFi switch for 3 seconds to power on or power off; Short press Power button/WiFi switch when powered on to enter or exit Wi-Fi mode.

MODE/ Moon viewing button: short press (photo/video/ playback mode cycle switch); Long press (normal/moon/ Universe mode cycle switch).

Up /EV+/ Zoom button: short press (up , EV+); Long press (digital zoom in).

Down /EV-/ Zoom button: short press (down , EV-); Long press (digital zoom out).

MENU/ Color effects button: short press (to enter and exit the menu Settings); long press (Color effects loop switch: normal/ black and white/green/film).

Internal and external screen conversion button: short press (external /internal screen cycle switch).

Shutter /OK button: short press (take photo/video / confirm).

3 . INSTALLATION GUIDE:

How To Charge The Battery:

This device has a built-in rechargeable battery, please fully charge it before first use.

A. Power off and charge the device using a universal USB power adapter *(DC 5V/2A) (* not included) and the included Type-C USB cable.

B. When charging, the charging indicator will be red; When fully charged, the charging indicator turns blue.

C. Disconnect the telescope charging connection after full charge.

How To Insert The Memory Card:

This astronomical telescope has no memory and needs to insert a memory card to use it. The memory card is not included in the package, please prepare it separately. Supports external TF card with a maximum capacity of 512 GB. It is recommended that users use high-speed cards of Class 10 or above.

Turn off the astronomical telescope before inserting or removing the memory card. Be sure to align and position the card correctly when inserting. Do not try to force the memory card into the slot if you feel resistance.

The card insertion steps are as follows:

1. Turn off the telescope.
2. Find the rubber cover at the bottom of the telescope and open it, then you will see the Micro SD card slot.
3. Insert the memory card and close the rubber cover.
4. To remove the memory card, tap the edge of the card.

How To Format The Memory Card:

It is important to format the memory card when using this astronomical telescope for the first time. All data will be deleted, including protected files. Be sure to download important files to your computer before formatting.

- 1: Turn on the device, in the photo/video mode, tap the MENU button to enter the settings menu.
- 2: Tap the up or down button to select [Format].
- 3: Tap the up or down button to select [Yes], then tap the Shutter/OK button to confirm formatting memory card.

How To Select a Language:

Before using the telescope for the first time, be sure to select a language and set the date and time.

- 1: Turn on the Power button/WiFi switch. In the photo/video mode, tap the MENU button to enter the settings menu.

- 2: Tap the up/down button to select [Language], tap the Shutter/OK button to start the sub-menu.
- 3: Tap the up/down button to select the desired language, tap the Shutter/OK button to confirm and tap the MENU button to exit the menu.

How To Set The Date And Time:

- 1: Turn on the device, in the photo/video mode, tap the MENU button to enter the settings menu.
- 2: Tap the Up / Down button to select [Date and Time], then tap the OK button to enter the sub-menu.
- 3: Tap Up / Down button to change the highlighted value. Tap MODE button to move the cursor between settings.
- 4: Tap the Shutter/OK button to confirm the setting and close the menu.

Please note: After setting, it is best to press the Power button/WiFi switch to turn off once and the settings will be saved without powering off.

4 . HOW TO USE THE TELESCOPE:

How To Turn The Astronomical Telescope On And Off:

Long press the Power button/WiFi switch to turn on the

device, the green status indicator lights up and then press Power button/WiFi switch again for 3 seconds to turn it off.

To save battery power, you can set the "Power Save" function in the menu to change the shutdown time.

How To Focus Clearly:

Mount the Astronomical telescope on the included tripod or a self-purchased professional tripod with good stability. Press the Power button/WiFi switch to turn on the Astronomical telescope. Aim the objective lens at the target to be viewed. Then gently pinch the objective lens focusing wheel between your thumb and index finger. Be gentle and turn the wheel slowly to adjust the focus. After tuning, release your fingers. Let the device stand still for a while and then tuning again. Watch the display and eyepiece until the target is clearest. Avoid shaking due to strong force.

How To Change The Record Mode:

There are three modes of telescopes. Tap the mode button to change the mode.

Icon	Mode	Description
	Photo mode	Take still pictures
	Video mode	Recording Video
	Playback	Playback image/video files

- ◆ **Photo mode:** Tap the MODE button to switch to the photo mode. Tap the Shutter/OK button to take a photo.
- ◆ **Video mode:** Tap the MODE button to switch to the video mode. Tap the Shutter/OK button to start recording, and tap the Shutter/OK button again to stop recording.
- ◆ **Playback:** Tap the MODE button to switch to the playback mode and tap the Up/Down button to browse the saved photos and videos. When playback a video, tap the Shutter/OK button to play, tap the Shutter/OK button again to pause and tap the MODE button to stop playing. Tap the MODE button again to exit the playback mode.

How To Take Still Images:

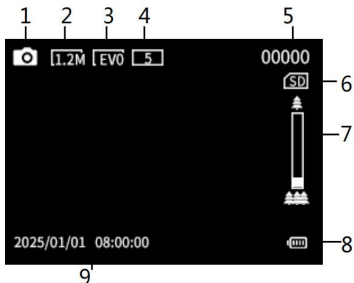
1. Turn on the telescope, the default mode is Video , tap the MODE button to switch it to Photo mode.
2. Zoom: Long press the "Up/EV+/Zoom In" or "Down/EV-/ Zoom Out" button to zoom in or out. The zoom factor value will be displayed on the LCD screen.

3. Keep the telescope steady, then tap the Shutter/OK button to take a photo.

The number of photos that can be taken will be displayed on the LCD screen.

Photo mode display screen display instructions:

1. Camera icon
2. Resolution
3. Exposure
4. LCD brightness
5. Display of the number of photos available:
6. Memory card inserted
7. Zoom value
8. Battery display
9. Date Stamp



How To Record A Video Clip:

1. Turn on the telescope, the default mode is Video , if not,tap the MODE button to switch it to video mode.

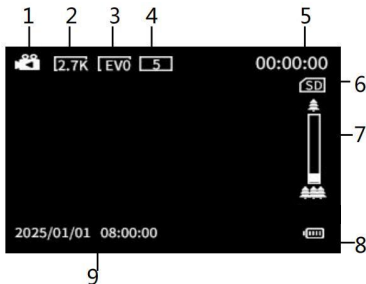
2. Zoom: Long press the "Up/EV+/Zoom In" or "Down/EV-/ Zoom Out" button to zoom in or out. The zoom factor value will be displayed on the LCD screen.

3. Tap the Shutter /OK button to start recording.

4. Tap the Shutter/OK button again to stop recording. If the memory is full, the device will automatically stop recording when the card is full.

Video mode display screen display instructions:

1. Video icon
2. Movie size
3. Exposure
4. LCD brightness
5. Recordable time
6. Memory card inserted
7. Zoom value
8. Battery display
9. Date Stamp



How To Take Time-Lapse Video:

1. Turn on the telescope, the default mode is Video , if not,tap the MODE button to switch it to video mode.

2. Tap the MENU button to find the Movie Options in the menu and select Time Lapse Recording. Tap the Shutter /OK button to confirm and exit. Then select the Time Lapse Setting, tap the Up/Down button to browse the sub-menu and tap the Shutter /OK button to enter the selected sub-menu. Select the Size you want to set, and tap the Shutter /OK button to exit. Select the Time in

the sub-menu ,tap the Up/Down button to choose the interval time you need. Tap the MODE button to move the cursor. Tap the Shutter /OK button to confirm.

3. After you tap the Shutter /OK button and then countdown 5 seconds,the screen will goes off to start shooting Time-lapse video.

4 . Press the Power button/WiFi switch to stop the time-lapse recording and turn on the device.

How To Adjust The Eyepiece

After turning on the device, check whether the display shows the internal screen or the external screen. If it shows the external screen, please press the Internal and external screen conversion button to switch the display to the eyepiece (internal screen) display.When you in any mode,tap the MENU button to enter the MENU. Check the eyepiece (internal screen). If the menu font is not clear enough, adjust the eyepiece diopter adjustment wheel until the menu font appears clear. Press the Menu button again to exit the menu. Then, slowly adjust the objective lens focusing wheel according to the actual distance of the viewed object to focus until the screen display is clear.

How to adjust the display Angle

The display screen is divided into an internal screen and an external screen. You can press the Internal and external screen conversion button to switch . The outer screen can be freely rotated by 90° and the Angle can be adjusted as you needed.

5. HOW TO USE THE MENU IN RECORD MODE:

When the menu display, use the Up /Down to browse and OK button to select the desired setting.

Menu in photo mode:

- 1: Turn on the telescope and set it to photo mode.
- 2: Tap the MENU button to display the menu and tap the Up/Down button to browse the desired menu.
- 3: Tap the OK button to enter the sub-menu.
- 4: Tap Up/Down button to browse the desired sub-item.
- 5: Tap the OK button to confirm the Settings and close the menu.

Menu	Function
Resolution	Set the resolution of the picture. Options:30MP 1.5°x1.1°,24MP 1.5°x1.1°, 16MP 1.5°x1.1°,8MP 1.5°x1.1° , 5MP 1.5° x1.1°,1.2MP Moon viewing,VGA View of Universe

Shooting	Single	Take a single photo
	Continuous	Take multiple pictures in a row. Options: 3 Photos/ 5 Photos/ 10 Photo
	Self Timer	Automatic photo taking, Options: off /2 seconds /5 seconds /10 seconds
Anti-Shake	Options: On/Off/Cancel	
Effect	Set the color effect and add tones to the picture. Options: Normal/Black and White / Green/Negative	
Sharpness	The clarity of the images taken by the camera can be set; The level of clarity determines whether the edges of objects in the image are clear. Options: Sharp/Normal/Soft	
Contrast	Options: High/Normal/Low	
ISO	Options: Auto/100/200/400/800/1600/3200	
Exposure	Manually set the exposure value to compensate for the light in different shooting environments. Exposure compensation ranged from -3.0 to +3.0 with an increment of 1.	
LCD Brightness	The screen brightness can be adjusted as needed. Options: Backlight 1/ Backlight 2/ Backlight 3/ Backlight 4/ Backlight 5/ Backlight 6/ Backlight 7	
Language	Select the screen display language.	

	Option:[English]/[Deutsch]/ [Français]/ [Español]/ [Italiano]/[Türkiye]/[Русский]/ [Portugués]/[Nederlands]/[简体中文] /[繁体 中文]/[日本語]/[Polski]
Set Date	Set the time and date of the device. Press the Up /Down button to adjust the time, press the MODE button to move the cursor between Settings, tap the OK button to confirm and exit the editing.
Date Stamp	Add a date tag to a photo or video file. Options :[Off]/[Date]/[Date & Time].
Split Selection	Various cross sight lines.Options :Split 1/ Split 2/Split 3/Split 4/Split 5/Frame Off
OSD auto clear	Automatically clear all icons on the display screen, only showing the viewed image. After clearing, press any button to restore it. Options: Off/10 Sec./20 Sec./30 Sec./60 Sec.
Power Save	To save power, if not operated, the camera will automatically shut down after a period of time. Options :Off/ 1 Min./ 3 Min./ 5 Min.
Beep	The sound when you operate the buttons. Option: On/Off
Power indicator light	Option: On/Off
Frequency	Set the frequency of the light source to match the local power supply frequency to prevent interference. Options: 60Hz/

	50Hz/Cancel.
Format	All data stored on the memory card (if you are using the memory card) will be deleted, including protected files. Be sure to download the important files to your computer before formatting. Options: [Yes]/[No].
Default	Reset the entire menu and button operation settings to the initial default values. Options: [Yes]/[No].

Menu in video mode:

- 1: Turn on the telescope and set it to Video mode.
- 2: Tap the MENU button to display the menu and tap the Up/Down button to browse the desired menu.
- 3: Tap the OK button to enter the sub-menu.
- 4: Tap the Up/Down button to browse the desired sub-item.
- 5: Tap the OK button to confirm the Settings and close the menu.

Menu	Function	
Movie Size	Set the video resolution. Options: 4K 1.5°X0.9°/ 2.7 K 1.4° X 0.9°/ FHD 1.3° X0.8° / 1080 p 1.5° X1.1° / HD 1.5° X0.9° / HD 60 FPS 1.5° X0.9° / HD Moon Viewing/VGA view of Universe	
Movie	Normal	Take the normal video

Options	Time Lapse Recording	Take time-lapse video
Time Lapse Setting	size	Options:5MP 1.5°X1.1° /8MP 1.5°X1.1°
	Time	Tap the Up/Down button to choose the interval time you need. Tap the MODE button to move the cursor. Tap the Shutter /OK button to confirm.
Effect	Set the color effect and add tones to the picture. Options: Normal/Black and White / Green/Negative	
Sharpness	The clarity of the images taken by the camera can be set; The level of clarity determines whether the edges of objects in the image are clear. Options: Sharp/Normal/Soft	
Contrast	Options: High/Normal/Low	
Exposure	Manually set the exposure value to compensate for the light in different shooting environments.Exposure compensation ranged from -3.0 to +3.0 with an increment of 1.	
Display Mode	Options: Full-screen display/Normal	
LCD Brightness	The screen brightness can be adjusted as needed. Options: Backlight 1/ Backlight 2/ Backlight 3/ Backlight 4/ Backlight 5/ Backlight 6/ Backlight 7	

Power indicator light	Option: On/Off
Set Date	Set the time and date of the device. Press the Up /Down button to adjust the time, press the MODE button to move the cursor between Settings, tap the OK button to confirm and exit the editing.
Date Stamp	Add a date tag to a photo or video file. Options :[Off]/[Date]/[Date & Time].
OSD auto clear	Automatically clear all icons on the display screen, only showing the viewed image. After clearing, press any button to restore it. Options: Off /10 Sec. /20 Sec. /30 Sec. /60 Sec.
Power Save	To save power, if not operated, the camera will automatically shut down after a period of time. Options :Off/ 1 Min./ 3 Min./ 5 Min.
Beep	The sound when you operate the buttons. Option: On/Off
Language	Select the screen display language. Option:[English]/[Deutsch]/ [Français]/ [Español]/ [Italiano]/[Türkiye]/[Русский]/ [Portugués]/[Nederlands]/[简体中文] /[繁体中文]/[日本語]/[Polski]
Frequency	Set the frequency of the light source to match the local power supply frequency to prevent interference. Options: [60Hz]/ [50Hz]/ [Cancel].

Format	All data stored on the memory card (if you are using the memory card) will be deleted, including protected files. Be sure to download the important files to your computer before formatting. Options: [Yes]/[No].
Default	Reset the entire menu and button operation settings to the initial default values. Options: [Yes]/[No].

Menu in playback mode:

- 1:After turning on the telescope, set it to playback mode.
- 2: Tap the MENU button to display the menu. Tap the Up/Down button to browse the desired menu. Tap the OK button to confirm the Settings and exit the menu.

Menu	Function
This Image/ Video	Delete the current file in memory card. Options:Yes/No.
All	Delete all files in memory card. Options:Yes/No.
Lock This	Lock the current file in memory card.
Unlock This	Unlock the current file in memory card.
Unlock All	Unlock the all files in memory card.
Format	Format the memory card. Options:Yes/No.

6 . Remote Control(Optional) Operation

Follow the specifications below to operate the remote control for normal device performance.

1. Before using the remote control, open the battery cover on its rear side, insert the supplied AAA alkaline batteries in correct polarity, then the remote will be powered on properly.
2. Turn on the device before the remote operation. Ensure there are no obstructions between the remote control and the device. Press corresponding buttons on the remote to activate matching functions of the device.

7 . APP Installation & Device Wi-Fi

- 1 . Connection Scan this QR code to download the APP and install it on your smartphone or tablet.



- 2 . After the installation is completed, open "OMG Cam" APP on your mobile device first. On the main page of the APP, tap the "Digital Telescope" button. Then find the digital telescope and long press the Power button/WiFi switch on the device to turn on the device. Once the device is powered on, short press the Power button/WiFi switch to enable the device's WiFi. A Wi-Fi connection

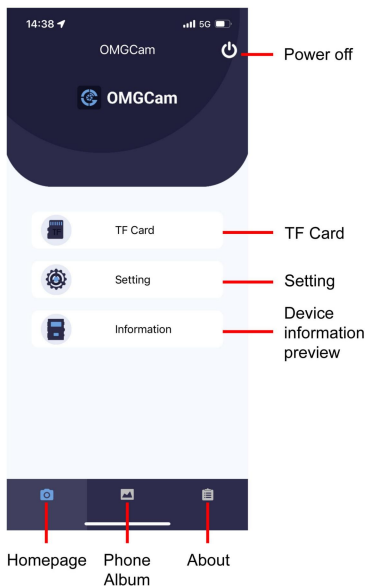
QR code will automatically display on the device screen. Users can directly scan this QR code with their mobile phones to complete the network pairing. No manual Wi-Fi password entry is required for QR code connection, the operation is convenient and efficient.

3 . Once your mobile device is successfully connected to the device's Wi-Fi hotspot, return to the main interface of the OMGCam APP to access all supporting functions. Then you can use all the accompanying functions of the APP. The core operational contents include viewing files stored on the device's TF card, Settings, Device information preview, checking device information, and managing the exclusive APP photo album. It fully meets your demands for device control, real-time preview and footage management.

4 . After completing all APP operations, parameter configuration, material preview and shooting tasks, return to the main interface of the APP. Tap the power-off button in the upper right corner of the interface to shut down the device. Meanwhile, the Wi-Fi connection between the mobile terminal and the device will be automatically disconnected and the device's linkage state will be exited.

Camera APP Interface Function Introduction

1. After the WIFI hotspot connection is successful, return to the APP interface and you can perform the corresponding functions within the APP (viewing files on the TF card, settings, preview of device information, photo album, etc.);
2. After completing the operation settings of the APP, you can return to the main interface and tap the power-off button at the top right corner to shut down (disconnect from WIFI connection)
3. The functions of the camera app interface are as follows:



◆ TF Card

Tap the TF Card to view photos and video files saved on the TF card. Tap the icon on the upper right corner to perform editing. You can select to download or delete the pictures or videos and the select-all option is available.

◆ Setting

Tap the Setting to bring up the full settings menu list. Users can customize and adjust all required parameters directly on the APP.

◆ Device information preview

Tap the Device information preview button and information about camera storage, file quantity and battery status will be displayed on the lower panel. This page supports real-time live view. You can check live footage captured by the camera to observe shooting scenes



and image effects in real time. Digital zoom is available, and you can set appropriate EV values for different target scenes on the fly to guarantee optimal image quality.

Note: You can adjust the installation angle of the telescope by slightly moving it, and position the telescope at the optimal viewing angle.

Tap the  button for the first time to enter the mode conversion, and then tap again to take a photo;

Tap the  button for the first time to enter the mode conversion, and then tap again to record video.

◆ Phone Album

Users can directly view photos and video files downloaded from the device to your mobile phone or tablet. This album function supports zooming in on images to check picture details and playing back recorded videos. It also supports single selection, multi-selection, deletion and sharing of files, fully meeting users' daily demands for browsing, sorting and sharing captured materials.

Warm Reminders:

1. When connecting Wi-Fi, ensure there are no obstructions between your phone and the device. The closer the distance between them, the stronger, more stable the Wi-Fi signal, and the faster the download speed.
2. After finishing all operations in the APP, it is recommended to tap the power-off button in the upper right corner to shut down the device and save battery power.
3. Once the device enters Wi-Fi mode, it will automatically exit the Wi-Fi mode if your phone fails to connect after 3 minutes.
4. After successful Wi-Fi connection, the device will automatically disconnect and exit Wi-Fi mode if there is no data exchange between the device and your phone for 3 minutes.
5. After you add the device to the APP, you only need to connect to the camera when reopening the APP, then tap the target device to establish connection—no need to re-add the network.

8 . HOW TO CONNECT AN ASTRONOMICAL TELESCOPE TO A COMPUTER:

There are two ways to download files from the device to a computer:

- By inserting the memory card into a card reader.
- By connecting the device to a computer using the supplied TYPE-C USB cable.

Using a Card Reader

1. Eject the memory card from the device and insert it into a card reader. Then connect the card reader to a computer.
2. Open [My Computer] or [Windows Explorer] and double-click the removable disk icon that represents the memory card.
3. Copy images from the card into a directory of your choice on the computer's hard disk.

How To Connect Astronomical Telescope To a Pc Using a Usb Cable:

1. Connect the astronomical telescope to the computer using the included Type-C USB cable, then long press

the Power button/WiFi switch to turn it on. The telescope screen will display the mode Settings "Portable Hard Drive" and "PC Camera" interface, indicating a successful connection.

2. Tap the Up /Down button to select "Portable Hard Drive", then tap the OK button to confirm. Enter the portable hard drive mode and open "My Computer" or "File Explorer". Double-click the move disk icon representing the memory card. Telescope image file stored in the "DCIM" folder, check and copy telescope image file.

3. Select "PC Camera" and tap the OK button to confirm, then enter the computer camera mode. Open the video tool on your computer and you can make a video connection.

9 . TECHNICAL SPECIFICATIONS:

Image sensor	5MP superstarlight CMOS sensor chip
Resolution of photo	30MP 1.5°x1.1°,24MP 1.5°x1.1°, 16MP 1.5°x1.1°,8MP 1.5°x1.1° , 5MP 1.5°x1.1°,1.2MP Moon viewing,VGA View of Universe
Video Clip	4 K 1.5 ° X0.9 ° , 2.7 K 1.4 ° X0.9 ° and 1.3 ° FHD X0.8 ° , 1080 p 1.5 ° X1.1 ° , HD 1.5 ° X0.9 ° , 60 FPS HD 1.5 ° X0.9 ° ,

	HD moongazing, VGA view of the universe
Magnification	Up to 350x
Focus Mode	Manual focus adjustment
Eyepiece	Adjustable vision compensation (refractive adjustment range plus/minus +/-6, both short-sighted/far-sighted 600 adjustment compensation)
Aperture	F4.0
Focus Distance	300mm
Primary mirror caliber	78mm
Limiting magnitude	11
Digital Zoom	18X
Display screen	IPS HD screen (3.0-inch external screen, built-in 10-inch enlarged display)
Button	Touch button anti-shake
Split Selection	Split 1/Split 2/Split 3/Split 4/Split 5
Continuous shooting	2 /5 /10 sheets
Self Timer	3 seconds /5 seconds /10 seconds
Storage medium	Micro SD card (up to 512GB, Class 10 or above recommended)
Power Save	1/3/5/10 minutes/Off

Power supply	Built-in 4500mAh lithium battery, rechargeable
USB interface	TYPE-C
Language	Multiple languages are available
Microphone & Speaker	Built-in
Operating temperature	-20°C to +50°C
Storage Temperature	-30°C to +60°C
Dimensions & Weight	About. 370*93*138mm / 980g

10 . CLEANING AND MAINTENANCE

- 1 . If there is dust or dirt on the objective lens, eyepiece or display screen, please gently wipe it with a clean and soft lint-free cloth (such as a microfiber cloth).
- 2 . Please fully charge and discharge the battery at least once every three months.
- 3 . This device is a precision device. Please do not drop it or subject it to strong impact or vibration.
- 4 . This digital astronomical telescope is equipped with touch buttons. Just touch it lightly with your finger to avoid excessive pressing.
- 5 . It is a normal phenomenon that the body and screen

of a telescope will get hot after long-term use.

11 . TROUBLESHOOTING

1. Failure to power on

- a. Please check whether the battery is charged, or connect the charger to see if it can be turned on.
- b. Try to reset by gently inserting a paper clip into the reset hole.

2. Failure to charge

- a. If the charging indicator light does not light up, it indicates that the charger is not plugged in. Please check whether the charger is connected properly.
- b. It is recommended that the battery be charged in an environment with a temperature ranging from 10°C to 30°C.
- c. Please try replacing the charger or charging cable.

3. The battery life is too short

- a. Check if the battery is fully charged.
- b. If the ambient temperature drops below 10°C, the battery power will be exhausted very quickly.
- d. Battery life may vary depending on the usage mode.

4. Memory card cannot be recognizeda.

- a. Please check whether the memory card conforms to Micro SD card (level 10 or above).
- b. Check whether the memory card is inserted incorrectly.
- c. The memory card is used on the camera for the first time, unformatted.
- d. You can try to format the Micro SD card on the computer first, and then insert the camera to format it.
- e. Replace the memory card.

5. Unable to connect to the computer

- a. Check whether the USB cable is correctly connected.
- b. Check whether the USB port of the computer works properly, or try to replace another USB port on the computer.
- c. Check the compatibility of your computer system.

12 . IMPORTANT NOTE:

1 . The objective lens Angle of the digital astronomical telescope is very small. Even the slightest mechanical shake can cause the viewing image to shake. It is

necessary to use a professional tripod with good stability and try to use it in a sheltered place.

2 . When focusing, gently hold the focusing wheel of the objective lens with your fingers, move gently and focus slowly. Make a slight adjustment and then release your fingers. Let the camera stand still for a while and then adjust again. Observe the display screen and eyepiece until the target is the clearest. Avoid shaking caused by excessive force.

3 . It is recommended to use the automatic photo-taking function for taking photos to avoid the camera shaking and blurry photos caused by touching the buttons.

4 . Setting appropriate EV parameters based on different target scenarios will yield better results.

5 . When used in strong outdoor light, the lens hood of the objective lens needs to be pulled up and the outer screen lens hood should be installed. It is recommended to view through the inner screen of the eyepiece.

6 . This telescope is equipped with touch buttons. Occasional accidental touches during button operation are normal phenomena.

7 . Do not look directly at the sun with your naked eyes or through a telescope, as it may harm your eyes.

13 . FCC Warning

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum distance between 20cm the radiator your body: Use only the supplied antenna.

