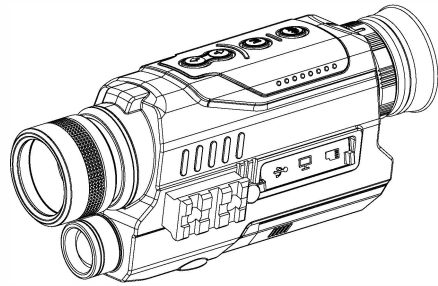


P30 user manual



【Scenery observation】

- Remove the objective lens cover. In the observation (photographing) state, aim the objective lens at the object to be observed, and view the display screen from the eye mask # 11.
- 1. Adjust the visibility handwheel # 10, and adjust the screen icon to be the clearest.
- 2. Adjust the focusing hand wheel # 2 of the objective lens to make the objects observed most clearly.
- The machine will automatically fine tune the brightness of the display screen according to the average brightness of the scene in the center of the screen.
- The electronic (⊕) zoom can be realized by pressing keys (⊖) and buttons. The electronic magnification range of the image is 1-3 times, and there is no obvious mosaic phenomenon in the picture.
- When the ambient light is bright, no auxiliary lighting source is required.
- When the ambient light is very dark and the scene cannot be observed clearly, the machine automatically recognizes the light intensity, automatically turns on the auxiliary light source, and automatically adjusts the gear according to the ambient light intensity.
- The objective lens cover is equipped with a filter. When observing the scenery in the daytime, the observation effect will be better if the objective lens cover is not removed. When observing at night, the objective lens cover must be removed.

【Matters needing attention】

Do not block any objects in front of the auxiliary lighting source.

name	Function description	Specific operation
Playback	Browse, delete and protect photo and video files	Browse files: long press M to enter the menu, up and down to select playback, and press the power on key to enter. Deletion and protection: Long press the key to select this function.
Color	Color, black and white and green can be selected for the screen	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Crosshair	Cross hairs can be displayed or not displayed	
ranging	It can be used for optical ranging of 1.7m high objects When the caliper moves from the lowest line to the corresponding scale The reading on the left is the approximate distance between the object and the machine.	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Video minutes Period of time	Select the recording duration: 1 minute, 3 minutes 5 minutes, 10 minutes	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Video Recording audio Frequency	When recording, you can select whether there is sound or no sound	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Date Label	You can choose whether to display the date when recording	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Automatic Shutdown	Selectable: off, 1 minute, 2 minutes, 3 minutes 5 minutes, 10 minutes, no operation of the system after selection Automatically shut down at the corresponding time according to the selection	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Languageset up	7 languages: English, Chinese, French, SpainEnglish, Portuguese, Russian, German.	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Screen Brightness	8 gears optional	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Date /Time	Adjust year, month, day, hour, minute and second	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Format	Format SD card	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Default Set up	Restore factory settings	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.
Edition	Display Firmware Version	Press and hold the M key to enter, press the up and down keys to select, and press the power on key to confirm.

【Battery selection】

- This machine uses three standard AA batteries for power supply. Please use high-quality batteries to avoid poor operation or non operation of the machine.
- 【External power supply】
- This machine has no external power supply and can be powered continuously by the charging bank through the USB2.0 interface.

【External monitor】

- Connect the external monitor to the video output connector # 7 through the video cable.
- The screen display can be output to the external monitor for display, and the internal screen can be closed
- 【Connecting the PC】
- This product is equipped with USB2.0 interface. Insert one end of the USB cable into the USB interface, and connect the other end to the computer device.
- This machine is used as a removable storage device. The computer will automatically recognize this machine and read the contents of the TF card in this machine through the computer.

- 【Basic parameters】

Sensor type	CMOS	playback	have
Resolution (pixels)	1920X1080	Cross wire switch	have
Frame rate	30	Ranging caliper	have
type	TFT HD	Automatic shutdown	have
Dimensions (inches)	1.6"	time setting	have
Resolution (pixels)	800x600	Multiple color modes	Color, black and white, fluorescent green
Objective diameter	32mm	SD card	4-64GB
Eyepiece diameter	20mm	Daytime observation distance	5m to infinity
Optical magnification	6X	Starlight observation distance	400M-600M
Optical+digital magnification	6-18X	working temperature	-25° C - +50° C
Multilingual	Horizontal 5°	Battery type	1.5V · No 5 dry cell × 3
photograph	Yes (7 kinds)	Battery working time	4-6 hours
videotape	have	Dimension (mm)	189×84×57
		Weight (g)	290g

【Standard configuration】

Av Video Wiring 1PCS Portable Soft Bag 1PCS User Manual 1PCS Hand Band Wipe 1PCS Mirror Cloth 1PCS

【Use environment and precautions】

- ⚠ Night vision goggles are precision optical instruments, please handle with care! To remove dust from the surface of the lens, a soft, oil-free brush should be used; use only a lens velvet cloth or other soft, lint-free cloth (such as microfiber) to clean the lens (objective eyepiece). Wipe gently to avoid scratching the lens.
- ⚠ To remove stubborn stains on the lens, use a clean flannel dampened with optical cleaning fluid to wipe, pay attention to gently wipe, do not use excessive force!
- ⚠ Pay attention to dust and moisture! After the waterproof product is used in a high humidity environment, store it after the moisture dissipates and the product dries; the non-waterproof products should not be used in a high humidity environment, otherwise
- ⚠ The product performance may be damaged. After use at the beach, lightly dampen a clean soft cloth with water and wipe off any salt that may remain on the surface of the lens body. If it has not been used for a long time, please thoroughly clean the lens and body, adjust the product to the minimum volume state, turn the hand wheel of the diopter to the lowest position, put it in the lens bag, place it in a well-ventilated and dry place, and add an appropriate amount of drying agent to prevent moisture.

【Safety Guidelines】

- ⚠ **Dinding risk!**
- ⚠ Do not use this product to directly observe strong light sources such as the sun at any time, otherwise it will cause damage to your
- ⚠ **Suffocation!**
- ⚠ Children must use this product under parental supervision. Please put packing materials (such as plastic bags, rubber bands, etc.) away from children, otherwise there is a risk of suffocation!
- ⚠ **Choking hazard!**
- ⚠ Do not expose the product, especially the lens, to direct sunlight to avoid fire. fire hazard
- ⚠ **Risk of product damage!**
- ⚠ Do not place in high temperature environment! Do not put night vision goggles in a car in hot weather or under the sun, and keep away from heat generating equipment. These can cause damage to telescope performance.
- ⚠ **Do not disassemble the product!**
- ⚠ Without permission, if the product fails, please contact the dealer, if necessary, The dealer will contact the after-sales service center for maintenance.
- ⚠ **Please respect the privacy!**
- ⚠ Of others, for example, do not use this product to peep into the lives of others.

【Performance characteristics】

- This product is a night vision instrument used to observe objects in dark or weak light. The magnification is 6-18 times.
- The observation distance in daytime is 5 meters to none. The starlight observation distance is 400-600 meters.
- This product adopts 1080P ultra-low illumination detector.
- This product has USB interface and video output interface.
- The product has complete functions. It can be used normally in the day and night. It has the functions of photographing, video recording, playback, etc.
- This product is the best auxiliary tool for human visual extension.

【Instructions】

- Night vision instrument is a precise optoelectronic instrument used to observe objects at night. It can work in very low light.
- The night vision instrument is equipped with an infrared lamp, which is suitable for use in a pure dark environment.
- When the environment is dark, the machine automatically turns on the auxiliary lighting, and the intensity of the auxiliary lighting source can be appropriately adjusted according to the distance of the observed objects.
- The night vision instrument uses low illumination COMS. When there is a certain light source (such as street lamp and moonlight) in the use environment, the machine automatically turns off the auxiliary light source. Just adjust the focal length of the objective lens properly to make the object clear.
- Working time of night vision instrument: about 4 hours when the auxiliary light source is turned on; About 6 hours when the auxiliary light source is off.

【Installing the battery】

- Pull the battery cover toward the rear of the machine, remove the battery cover, take out three available AA batteries, and install the battery cover into the battery compartment with the bottom two positive batteries facing inward, and the top one negative battery facing inward. Put the battery cover into the card slot and push it into place. Press the power key, and the internal display will light up, indicating that the battery has been correctly installed.
- If there is no display on the display screen, please confirm whether the battery is installed correctly or whether the battery capacity is sufficient. Then start the machine for test until the machine works normally.
- Please send the machine for repair after confirming that the battery is in good condition and the machine is still not working after sufficient power.

【Matters needing attention】

The battery specification shall meet the requirements; The battery shall have sufficient power; During installation, pay attention to the positive and negative pole directions of the battery. Do not use lithium batteries of the same size, such as 14500 batteries, or the motherboard will be burned.

【Start up】

- Remove the objective lens cover and eyepiece cover. Press the key to view from the eye mask # 11 The display screen inside the machine is lit, the normal icon shown in the right figure is displayed on the display screen, and the machine enters the positive position Normal working state.

● Icon description:

1. Equal ratio ranging
2. IR infrared lamp status
3. Time display
4. Digital zoom magnification
5. Battery power display
6. Memory card status
7. Image quality
8. In video recording status
9. Crosshair
10. In video recording status

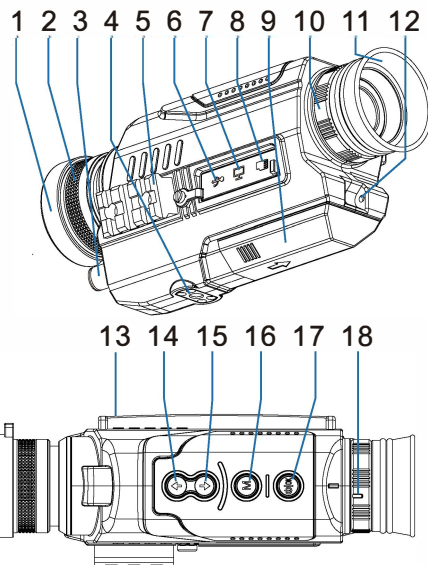
- After the machine is turned on, it will enter the observation (video recording) state, and normal observation and video recording can be performed.

【Shutdown】

- No matter what state the machine is in, long press the key (⏻) to shut down the machine.

【Key operation method】

name	Operation mode	Corresponding functions	Specific instructions
Up key	Short press	Magnification function	X6 for the first time; X12 for the second time; The third time is X18.
	Long press	Improved picture quality and brightness	Correspondingly, EV is displayed. Long press will automatically increase from 0 to +2.0.
Down key	Short press	Turn on night vision mode	The first IR ON; Second IR 1; The third IR 2; The fourth IR 3; Exit night vision mode with IR OFF for the fifth time Type, restore color normal display.
	Long press	Reduced picture quality brightness	Corresponding display EV, long press and automatically decrease from 0 to -2.0.
Menu key	Short press	photograph	Only when a card is inserted into the device can it be used.
	Long press	Enter menu	Use up and down keys to select, and the power on key is for confirmation; After entering the menu interface, press the menu key briefly to exit the menu.
Boot key	Short press	Video recording	Only when a card is inserted into the device can it be used.
	Long press	Switch on/off	Short press to start, long press to shut down.



- 1 - Cubierta de lente objetivo
- 2 - Material Mirror Coca-Cola Vuela
- 3 - Fuente de luz auxiliar
- 4 - Interfaz de trípode
- 5 - Interfaz de recogida
- 6 - Interfaz USB2.0
- 7 - Interfaz de salida de video
- 8 - Tarjeta TF
- 9 - tapa de la batería
- 10 - Rueda de mano visual
- 11 - Mascara para los ojos
- 12 - Varilla de banda
- 13 - Correa de mano
- 14 - Restricción
- 15 - botón abajo
- 16 - Botón de selección de función
- 17 - Confirmación de interruptor/ función de encendido/ reproducción de video, botón de pausa
- 18 - Marca visual