

PARKVISION

Bicycle Wireless Rearview System User Manual

Model: BK-450



In accordance with the latest air transport regulations, the battery level of all products containing batteries must not exceed 25% when shipped. Therefore, the device you receive may have a very low charge. Please be sure to charge it before use.

Note: The monitor, camera, and remote control are wirelessly paired at the factory and can be used directly. **If you replace the camera, remote control, or if the image does not display, please refer to [Section 8: Wireless Camera and Monitor Pairing].**

一、Package Contents

① 4.3" Wireless Monitor x1	
② Rear View Camera x1	
③ Turn Signal Remote Control x1	
④ Monitor Mount Bracket x2	
⑤ Monitor Mount Bracket x1	
⑥ Camera Symmetrical Snap Bracket x1	
⑦ Thin Rubber Pad for Camera Bracket (for rod diameter $\varnothing$ 30mm- $\varnothing$ 35mm) x2	
⑧ Turn Signal Remote Control Strap x2	
⑨ Screws for Camera Symmetrical Snap Bracket x2	
⑩ Cross Wrench x1	

二、Monitor Specifications

Item	Parameter
Screen Size	4.3" IPS
Resolution	800×480
Battery Capacity	5000 mAh
Battery Life	6 hours
Waterproof Rating	IP65
Charging Parameters	DC 5V / 2.5A
Image Flip	Supported (Normal/Mirror)
Image Zoom	3x zoom supported
Auto Dimming	Supported
Charging Time	5 hours

三、Camera Specifications

Item	Parameter
Image Format	AHD
Effective Pixels	1920×1080 (1080P)
Viewing Angle	95° (max)
Battery Capacity	3000mAh

Waterproof Rating	IP65
Operating Voltage	3.7V
Charging Parameters	DC 5V / 2.5A
Night Vision	Supported
Battery Life	4 hours
Charging Time	3 hours

四、Monitor Appearance & Button Description

Operation: Use the buttons on the monitor.

【】 Power button (**long press 2 sec**) / Menu confirm

【】 Up / Right

【】 Menu button / Back

【】 Down / Left

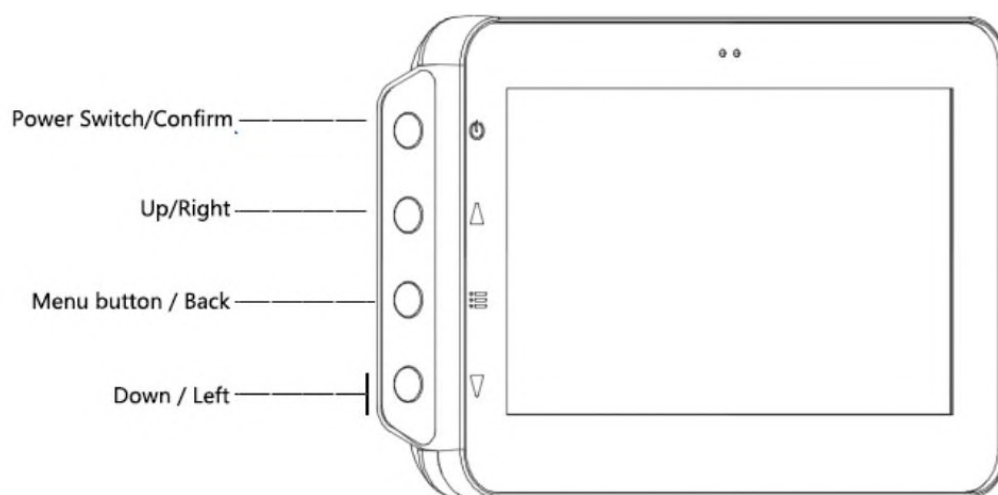


Image Settings	System	Pairing
Flip(Vert.Normal)	Auto Brightness: Off/On	Camera Pairing
Zoom (x0.8 , standard,x1.2,x1.5)	Turn Signal Setting:Off/5s/10s/15s	Remote Pairing
Brightness(1-10)	UI Guide	
Contrast (1-10)	Language	
Hue (1-10)	Restore Default	

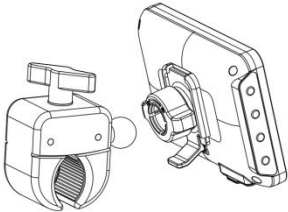
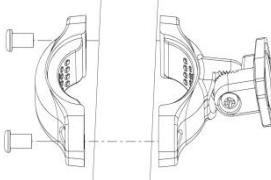
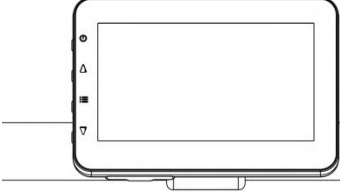
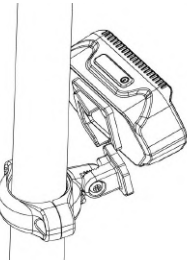
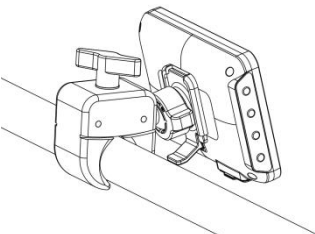
五、Indicator Light Guide

- ◆ - Monitor charging: Red LED steady on
- ◆ - Monitor fully charged: Green LED steady on
- ◆ - Camera charging: Blue LED flashing

- ◆ - Camera fully charged: 4 blue LEDs steady on
- ◆ - Monitor red light: Battery critically low, will shut down soon – please charge

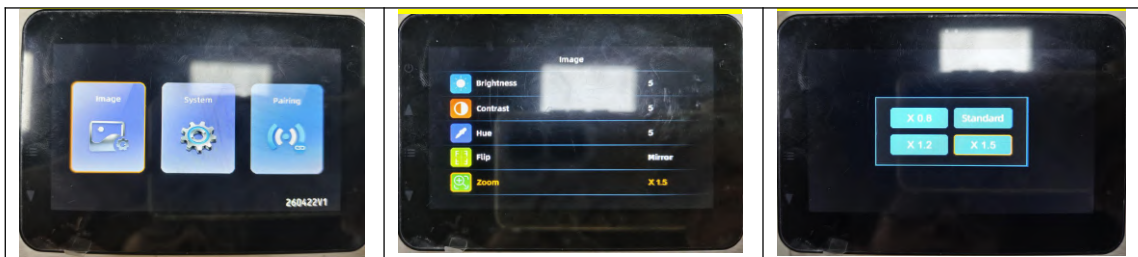
Monitor Charging Time	Usage Time	Camera Charging Time	Usage Time
1H	2H	1H	2H
2H	4H	2H	3H
4H	6H	3H	4H

六、Installation Steps

Monitor Installation		Camera Installation	
	Attach the monitor mount bracket to the monitor		Choose the appropriate rubber pad and fix the bracket with the M5 screw
	Loosen the bracket screw, install the bracket (with monitor) onto the handlebar, then tighten the screw		Slide the camera into the bracket magnetically via the guide groove on the back
	Adjust the monitor angle and tighten the screw		Adjust the camera angle and tighten the screw using the wrench

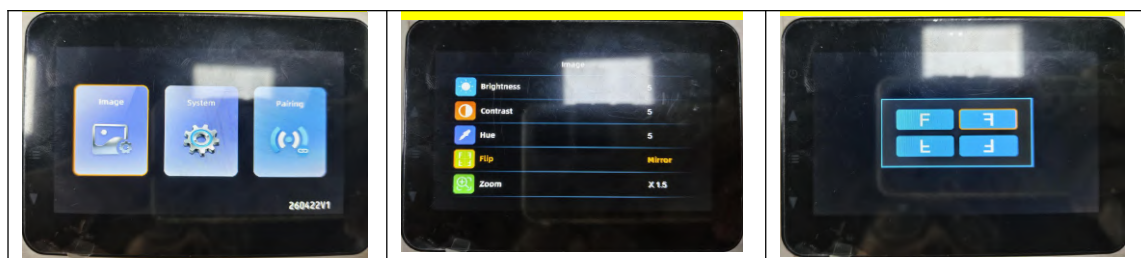
七、Basic Functions & Operation

A. Image Zoom Steps



Enter Menu (≡) → Image Settings → Confirm () → Dropdown (▼) → Image Zoom In → Confirm ()

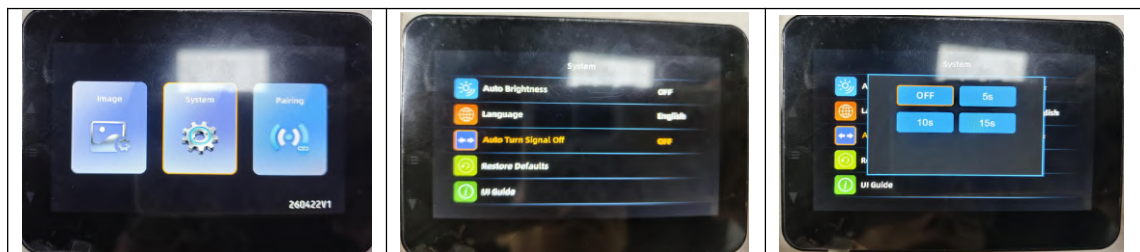
B. Image Flip Steps



Enter Menu [≡] → Image Settings → Confirm [] → Scroll Down [▼] → Image

Flip → Confirm []

C. Turn Signal Setting Steps



Enter Menu [≡] → Scroll Down [▼] → System Settings → Confirm [] → Scroll

Down [▼] → Auto Turn-off Light → Confirm []

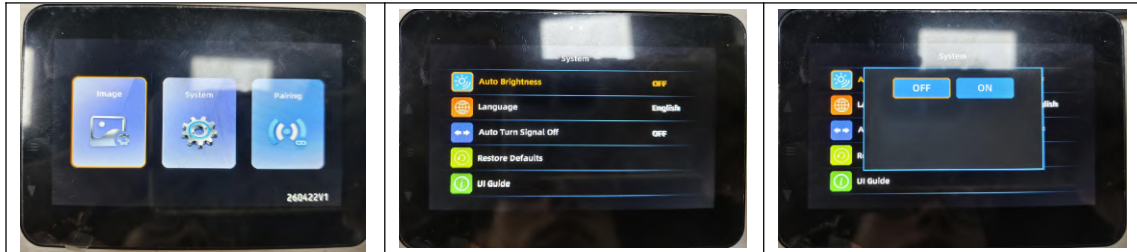
Standard Factory Setting:

The turn signal light defaults to a **15-second timer**. During this period, the remote control buttons are disabled and cannot interrupt the cycle; the system must wait for the timer to expire.

Custom Setting:

If the timer function is disabled (i.e., no duration is set), the turn signal can be turned off at any time using the remote control buttons.

D. Auto Brightness Setting Steps



Enter Menu [≡] → System Settings → Confirm [] → Auto Brightness → Confirm []

八、Wireless Camera & Monitor Pairing

The product is pre-paired at the factory. Under normal conditions, the rear view image will appear when powered on. If you replace the camera or no image is shown, follow the steps below to re-pair.

Wireless Pairing Procedure:

- Ensure both monitor and camera are off.
- Long press the monitor power button for 2 seconds to turn it on. Enter the menu, select “Pairing Settings”, press the power button to confirm, and a 30-second countdown will begin.
- While the camera pairing countdown is active, long press the camera power button for 2 seconds to power it on – pairing will happen automatically. Upon successful pairing, the image will appear.
- If pairing fails once, restart the camera and retry.



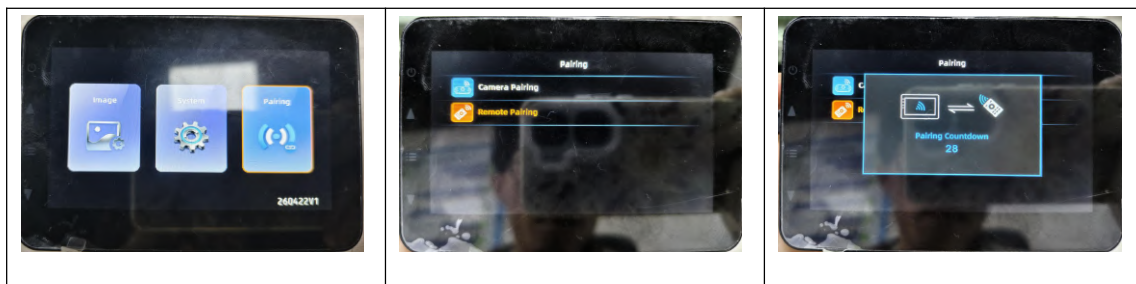
Enter Menu [≡] → Code Settings → Confirm [] → Camera Pairing → Confirm []

九、Turn Signal Remote Control & Camera Pairing

Note: The installation distance between the turn signal remote control

and the display should not exceed 1 meter.

- Long press the monitor power button for 2 seconds to turn it on. Enter the menu, select “Remote Pairing”, press the power button to confirm, and a 30-second countdown will begin.
- During the remote pairing countdown, simultaneously long press both the left and right direction keys on the remote control to pair.



Enter Menu [≡] → Pairing Settings → Confirm [] → Remote Control Pairing → Confirm []

Steps:

1. Enter Menu → Pairing Settings → Select “Remote Pairing”.
2. Execute pairing: On the turn signal remote, simultaneously long press the left and right direction keys.

Result:

1. Success: The 30-second countdown on the screen disappears.
2. Failure: The countdown reaches zero. Restart the devices and repeat the steps above.

十、Troubleshooting

No	Issue	Possible Cause & Solution
1	Black screen, power light on	● Camera not turned on or battery depleted – charge the camera ● Wireless connection lost – re-pair.
2	Screen completely dead	Battery fully drained – charge for 1–2 hours before turning on
3	Blue screen or garbled image	● Wireless signal interference – ensure distance between camera and monitor is less than 10m with

		no metal obstacles ● Pairing error – re-pair
4	Short camera battery life	● Battery not fully charged – charge for 4 hours ● Low temperature reduces battery life – normal for lithium batteries.

十一、 After-sales Contact: service-jp@parkvision.com.cn

FCC Statement

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.

The device has been evaluated to meet general RF exposure requirement. This equipment

should be installed and operated with a minimum distance of 4 cm between the radiator and your body