

PITTASOFT

BLACKVUE **BIKE**TM
SC 300



정말
블랙뷰는
조

ENGLISH

BLACKVUE SPORT

SC300

> Contents

Introduction to the Manual	4	Shooting	Turning on the Power	23
Safety Precautions	5		Automatic Video Recording	23
Getting Started		Using the BLACKVUE SPORT APP		24
Checking the Components	8		Screen View	26
Understanding the Part Name and Function	10		Changing the Setting Option	27
Inserting/Removing the Memory Card	12		Playing Movies/Photos	30
Inserting/Removing the Battery	13		Moving files	30
Charging the Battery	14		Managing the internal memory	31
Assembling the LCD (not supplied)	15	Product Specifications	Firmware Upgrade	32
				33
Installing Camera				
Camera Installation	17			
Installing the Camera inside a Waterproof Housing	18			
Connecting Power Cable	19			

› Introduction to the Manual


Thank you for purchasing BLACKVUE SPORT of PittaSoft Co., Ltd.

This instruction manual contains information on how to operate your BLACKVUE SPORT. Before using the product, make sure to read through this manual so as to use the product in the correct way. To enhance the performance of the product, the contents of this instruction manual may be changed without prior notice.

✓ Warranty and Support

- In accordance with Personal Information Security Law & related legislation, Pitta Soft Co., Ltd. will not be held responsible for any problem due to illegal use of this product.

✓ Copyright and Trademark

- This instruction manual is protected by Copyright Law, and all rights to it are protected by law.
- It is prohibited to reproduce, copy, modify, or translate this instruction manual without permission.
-  **BLACKVUE** BlackVue is the registered trademark of Pitta Soft Co., Ltd. PittaSoft Co., Ltd. reserves the rights regarding all works related to the BlackVue brand such as product design, trademarks, and product-promotional videos. It is prohibited to reproduce, copy, modify, or use related works without permission. Any violation may be penalized in accordance with the relevant regulations.

> Safety Precautions

The purpose of these cautions is to maintain user safety and avoid damage to property. Please make sure to read through this manual so as to use the product in the correct way.



DANGER Death or property damage can be caused for users if the following directions are not followed:

- **Do not disassemble, repair, or modify the product yourself.**

It can cause fire, electric shock, or malfunction. For internal inspection and repair, call your customer service center.

- **If any foreign matter gets inside the product, detach the power cord straightaway.**

Call the customer service center for repair.

- **Do not use a damaged or altered USB cable. Use the USB cable provided by the manufacturer.**

Otherwise it can cause explosion, fire, or malfunction.

- **Do not operate the product with wet hands.**

It can cause electric shock.

- **Do not install it in an environment with high humidity, or combustible gases or liquids.**

It can cause explosion & fire.

- **Do not insert flammable materials into the camera or store these materials near the camera.**

This may cause a fire or electric shock.

- **Do not expose the camera to direct sunlight or high temperatures for an extended period of time.**

Prolonged exposure to sunlight or extreme temperatures can cause permanent damage to your camera's internal components.

**WARNING**

Death or serious injury can be caused for users if the following directions are not followed:

- **Do not leave the product where infants, children, or pets can reach it.**

They might swallow small components, or their saliva could get into it and cause an explosion due to a short circuit.

- **If smoke or an unusual smell is emitted from the USB cable, detach it immediately.**

Call the customer service center or the dealer.

- **Use only authentic, manufacturer-recommended, Lithium-ion replacement batteries or supplied battery charger. Otherwise, Pitta Soft Co., Ltd. will not be held responsible for any problem.**

- **Do not cover the product with any material.**

It can cause external deformation of the product or fire. Use the product and peripherals where ventilation is ensured.

- **If the camera is not used for a long period of time, remove the battery from the camera.**

Fluid may leak out of the battery, damaging the camera significantly.

- **Do not apply excessive force to the exterior of the camera.**

Doing so may result in product failure.



CAUTION

Injury or property damage can be caused for users if the following directions are not followed:

- **Do not spray cleaning products directly onto the outside of the product.**

It can cause discoloration, cracks, or malfunction.

- **Make sure that the product is installed properly.**

The product can fall as a result of vibration, and may cause physical injury.

- **MicroSD cards are a consumable so replace them after prolonged use.**

They may not record video correctly after a long time in use, so check their recording capability periodically and replace it as necessary.

- **Clean the lens regularly.**

Foreign material attached to the lens can affect the recording quality.

- **Do not remove the microSD card while it is saving or reading data.**

The data may be damaged or malfunction caused.

- **When you connect the cable or insert the battery or memory card to the camera, be careful not to apply impact to the camera or connect the cable or insert the battery or memory card in a wrong direction. The insertion hole or accessory may be damaged.**

The camera or cable may be damaged, and if the battery and memory card are not inserted correctly, the connection terminal or accessory of the camera may be damaged.

- **Do not use batteries for unintended purposes.**

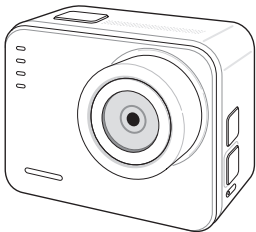
This may cause a fire or electric shock.

- **Use Waterproof housing when the product is used at low temperature.**

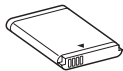
Due to the characteristics of Li-ion Polymer Battery, battery performance may decrease when the product is used at low temperature. Waterproof housing is recommended for use at low temperature.

> Getting Started | Checking the Components

After purchasing the camera, open the box and check the following components.



Camera



Battery



Memory card



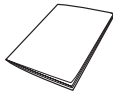
Tape for mount



Waterproof power cable



Cable clip



User Manual



Waterproof housing



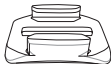
Cable connector

Joint rubber for
single cable

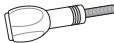
Basic connector



Tripod mount

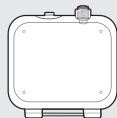
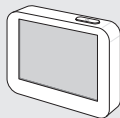


Curved mount



Thumb screw

Accessories (Sold separately)

LCD pack for bike
(LCD, Waterproof housing backdoor for LCD)

Handlebar mount

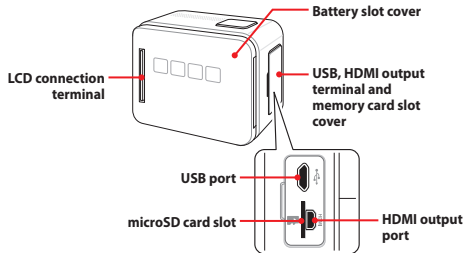
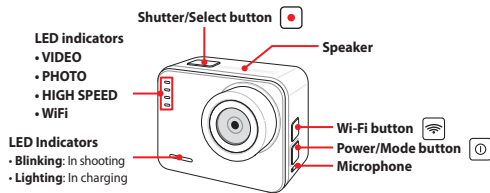





Note





- The image of each component or accessory may differ from the actual component or accessory.
- To enhance the performance of the product, the components of this product may be changed without prior notice.
- The components and accessories can be purchased separately from the BLACKVUE SPORT homepage (www.blackvuesport.com).
- The manufacturer holds no responsibility for any problem occurred due to the use of a product which is not certified by the manufacturer.
- There is a screw hole that can be assembled with tripod screw on the bottom of the tripod mount.

I Understanding the Part Name and Function

Check the name and function of each part first before using the camera.



Item	Description
	Shooting mode: Start/End shooting Playback mode* <ul style="list-style-type: none"> • Thumbnail view: Select a file • Playback or Pause* Setting mode*: Select a menu or setting item
	Wi-Fi On/Off: Long press
	Power On/Off: Long press Mode change: Press <ul style="list-style-type: none"> • *Movie/Normal Photo/High-speed Shooting/Playback/Setting • *Switching between menus or setting items

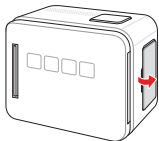
Item	Description
 VIDEO	Blue: Movie/Time Lapse mode
 PHOTO	Blue: Photo shooting mode
 HIGH SPEED	Blue: High speed shooting mode
 Wi-Fi	Blue: Wi-Fi power on Off: Wi-Fi power off

* The items marked with are the functions supported only when LCD is mounted.

I Inserting/Removing the Memory Card

✓ Inserting the memory card

- 1 Open the cover of the memory card slot.



- 2 Insert the memory card with the metallic terminal to the left.



- 3 Close the cover of the memory card slot.

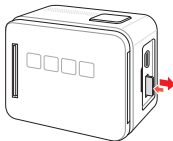


Note

Be careful not to lose the cover for the memory card slot.

✓ Removing the memory card

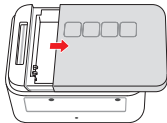
Press the memory card in lightly, and when the top emerges part way, pull it out completely.



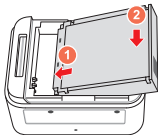
Inserting/Removing the Battery

✓ Inserting the battery

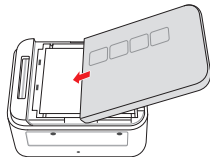
1 Open the battery cover.



2 Insert the batteries.



3 Close the battery cover.



✓ Removing the Battery

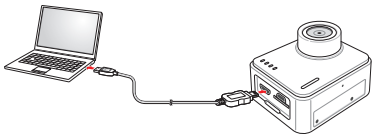
Remove the battery by holding and lifting the plastic handle on the opposite side of the metallic terminal.



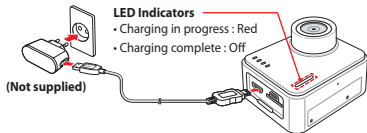
I Charging the Battery

Charge the battery completely when using the camera for the first time after purchasing it.

✓ Charging by connecting the USB cable to a PC (not supplied)



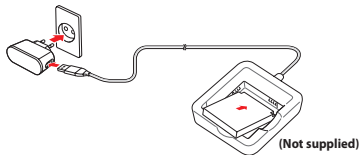
✓ Charging by Connecting to the Power Adaptor



LED Indicators

- Charging in progress : Red
- Charging complete : Off

✓ Charging by Connecting the Battery Charger (not supplied)



Note

Use only authentic, manufacturer-recommended, Lithium-ion replacement batteries or supplied battery charger. Otherwise, PittaSoft Co., Ltd. will not be held responsible for any problem.



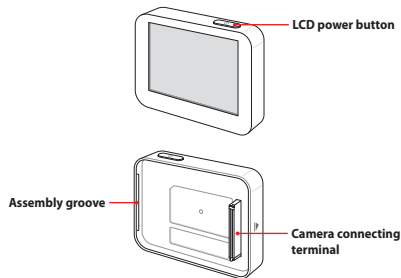
Caution

- RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. USE ONLY THE BATTERY PROVIDED BY PITTA SOFT.
- DISPOSE OF USED BATTERIES ACCORDING TO THE LOCAL REGULATIONS. BATTERY DISPOSAL INSTRUCTIONS MAY VARY DEPENDING ON COUNTRY AND REGION.

I Assembling the LCD (not supplied)

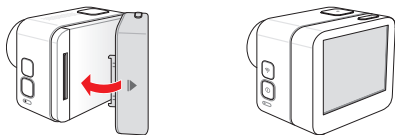
You can check the shooting scene, play back a file, or set the camera and shooting environments by mounting the LCD component to the camera.

✓ Name of each part in the LCD



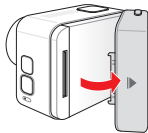
✓ Assembling the LCD

Align the assembly groove on the LCD with the right end of the camera, and insert the connection terminal of the LCD into the connection terminal of the camera correctly.



✓ Removing the LCD

Remove the LCD by pulling the part marked with an arrow firmly upwards.



Note

After assembling the LCD, turn on the camera and check the LCD operates normally. If the LCD screen does not turn on, turn off the camera and assemble the LCD again using the method specified on the previous page.

> Installing Camera | Camera Installation

Using a mount, you can install the camera on a bike.

✓ Installation Using an Adhesive Tape



Attach the adhesive tape to where you want to place the camera, and then mount or use the curved mount for the tripod to affix the camera onto it.



Note

If the camera is installed facing downward, reverse the view. For more details, see **Changing the Setting Option** (page 27).

✓ Camera Installation Using a Handle Bar Mount (not supplied)



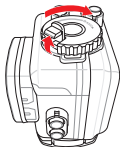
You can install the camera onto the handle via a handle bar mount and affix the camera using a tripod mount.

I Installing the Camera inside a Waterproof Housing

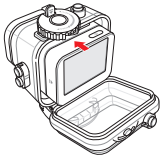
By placing the camera inside a waterproof housing, you can protect your camera from external hazards (dust and water). Camera installation method is the same as the slim-type backdoor and backdoor for LCD.

- 1** Before placing the camera inside the waterproof housing, ensure that you have powered off the camera.

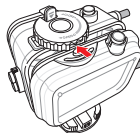
- 2** Lift up the latch of the lock and turn it clockwise.



- 3** Open the cover and carefully push the camera into the waterproof housing.



- 4** Couple the groove in the lock with the groove in the rear cover.



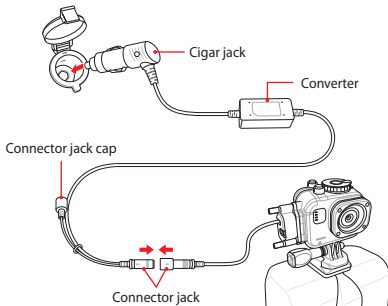
- 5** Turn the lock counter clockwise to the fullest and lower the latch.



- 6** Check if all buttons in the waterproof housing work normally.

I Connecting Power Cable

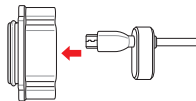
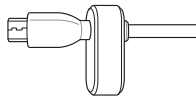
Using the waterproof housing and waterproof power cable, you can draw power from the bike's cigar jack when it rains.



- Disconnect the connector jacks of waterproof power cable to prevent inconvenience arising from the long cable.

✓ Connecting Camera and Cable

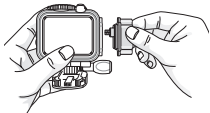
- 1 Turn connector screw clockwise and remove the S-washer and cable joint rubber.
- 2 Insert the micro USB connector of the waterproof power cable into the cable joint rubber for single cable.
- 3 Insert the cable joint rubber, assembled into the connector.



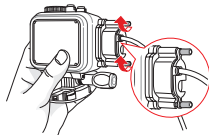
- 4 Turn the extension cable screw of waterproof housing clockwise and remove the extension cable cover.



- 5 Connect the cable connector you have assembled in your camera.



- 6 Insert the S-washer with the narrow side facing upwards and turn the cable connector joint screw clockwise.



Note

Using a joint rubber for multi cable, you can connect both the HDMI cable (not supplied) and the power cable at the same time.

✓ Connecting Cable with Power Supply

- 1 Firmly mount the waterproof housing that holds the camera onto your bike.
 - You can use a curved mount or a handle bar mount (not supplied) for this purpose.
- 2 Plug the waterproof power cable connector jack in the direction, as indicated by the arrow.

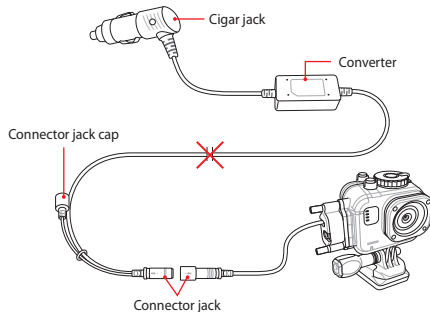


- 3 Plug the cigar jack to the bike's power supply.
- 4 Fasten the cable using a cable holder.



Note

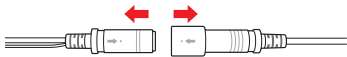
When you have no cigar jack power, cut the waterproof power cable and connect it directly to the battery, make sure that you do not cut the middle of the converter or the connector jack.



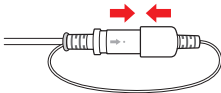
✓ Removing Cable after Using the Camera

When you are done with using the camera, detach peripherals, and keep the camera, you do not need to remove all cables from you bike. Remove cables in a place free from water, sand, or dust.


- 1 Disconnect the connector jacks of waterproof power cable.



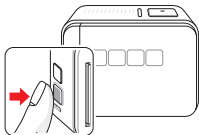
- 2 Keep the disconnected camera and cables indoors.
- 3 Keep the connector jack installed on your bike with a cap plugged.



> Shooting | Turning on the Power

After charging the battery, press and hold down  until the camera turns on.

- Press and hold down  again to turn off the camera.



Note

- From the BLACKVUE SPORT application, you can view and edit Resolution/Shooting Time/Rotation View settings in full detail. For more details, see **Using BLACKVUE SPORT APP** (page 24).
- If you installed an LCD, you can change the settings in Camera Settings. For how to set and use your camera with an installed LCD, see BLACKVUE SPORT website at www.blackvuesport.com.

| Automatic Video Recording


If you have the camera connected to the bike power supply, you can record video during the entire time you are biking. Up to full HD image resolution with 1920 x 1080 pixels at 30fps, video images are recorded in the MP4 format.

1


Press  and select the video mode.

- On the LED of your camera, the menu **VIDEO** will appear in blue.

2

Press  to start video recording.

3

Press  once again to end video recording.



Note

- The file name of the video recording will be recorded in MMDDHHMM (month/date/hour/minute) format.
- Video recordings are stored by unit of time specified, the default setting is 1 minute.
- If storage is insufficient, the oldest files will be deleted by default.

› Using the BLACKVUE SPORT APP

You can control or manage the camera from a wireless device (smartphone or tablet PC) where the BLACKVUE SPORT App is installed.


1 Install and execute BLACKVUE SPORT App on a wireless device.



Note

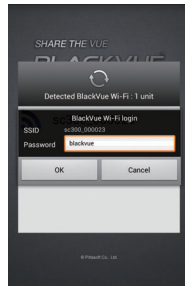
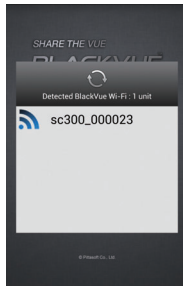
- The BLACKVUE SPORT App can be downloaded from the Google Play store and Apple App Store.
- The BLACKVUE SPORT App can be used with Android 2.3 or later and iOS 5.0 or later.
- Some functions may not be supported depending on the wireless device.

2 Turn on the Wi-Fi function of the wireless device.

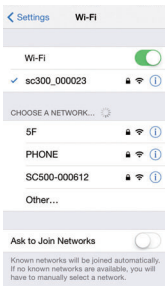
3 Turn the camera on and press and hold down  button to turn on the Wi-Fi function. It takes about 35 seconds to activate the Wi-Fi function.

4 Touch the Wi-Fi button of BLACKVUE SPORT App. (Eg: SC300) Select a list of devices to connect and enter **blackvue** as the password. Tap the OK button to connect it to the selected device.

Android



iOS



Note



- Wi-Fi SSID can be changed from the App Settings.
- If you save the connection information when connecting using Wi-Fi, you can tap the Wi-Fi button in the BLACKVUE SPORT App to connect it without turning on the Wi-Fi function of the smartphone. (only for Android)
- The initial password is **blackvue**, but the user can change it.
- For the Live View function, Wi-Fi can be used within a 10m range, although the range may vary in some circumstances.
- For playback of recorded videos using Wi-Fi, reception may vary according to the data transfer rate.

5

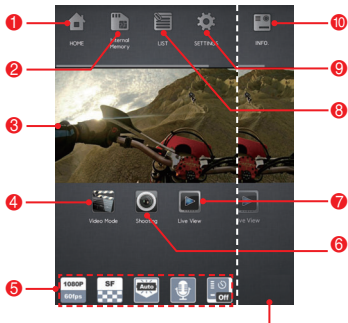
Select the recorded video you want to play back in the video list.



Note

- Tap the Live View button to play the movie in real time.
- If you have changed Wi-Fi settings, always restart the camera.
- If you have forgotten the password, you should reset camera settings. Press and hold  and  at the same time for about 10 seconds, the camera will power down and all camera settings will be initialized.

I Screen View



Drag the top bar to display.

No.	Descriptions	No.	Descriptions
1	Moves to the Home screen.	6	Shoots a movie or take a picture.
2	Moves to the internal memory.	7	Watches the shooting screen in real time.
3	Displays the captured screen in real time.	8	Moves to the list of movies/pictures.
4	Changes the mode.	9	Moves to the setting screen.
5	Displays the setting options of the camera.	10	Allows you to check the version information.

I Changing the Setting Option

- 1 Press **BlackVue Sport** ► **SETTINGS** ► **App Settings** or **Camera Settings** to access the setting screen.
- 2 Select a desired setting menu, and select the setting to change.
- 3 Press **Save** to save the setting.
Press **EXIT** to return to the previous screen without saving the setting.



Note

- If you have changed Wi-Fi settings, always restart the camera.
- The date is originally set to default. You can set the date manually by connecting with BLACKVUE SPORT APP.
(**SETTINGS** ► **Camera Settings** ► **Other Settings** ► **Date/Time**)

Android	iOS

Setting Option

Mode	Menu	Setting Option
App Settings	Always use BlackVue S player	On
		Off
	Enable Wi-Fi Strength Monitor	On
		Off
Camera Settings	Video Settings	Resolution/FPS
		Video Quality
		Time Lapse
		Recording Time
		Overwrite

Mode	Menu	Setting Option
Camera Settings	Photo Settings	Resolution
		Image Quality
		Burst Shot
		Self Timer
	Image Settings	Rotation



Note

You can reverse the LCD screen by activating **Rotation** in the **Image Settings**.

Mode	Menu	Setting Option
Camera Settings	Other Settings	Date/Time
		Wi-Fi
		Voice Record
		Volume
		Automatic Recovery
		Auto Power Off
		Default Setting
		Format

I Playing Movies/Photos

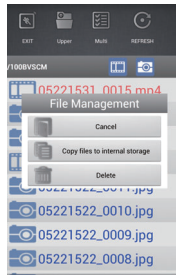
- 1 Press **BlackVue Sport** ► **LIST** ► **100BVSCM**.



- 2 Select a desired movie or photo.

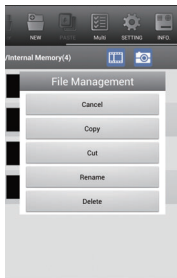
I Moving files

- 1 Press **BlackVue Sport** ► **LIST** ► **100BVSCM**.
- 2 Select a desired file, and press and hold down the file until the menu is displayed.
- 3 Press **Copy files to internal storage** to move the selected file to the internal memory.



I Managing the internal memory

- 1 Press **Internal Memory**.
- 2 Select a desired file, and press and hold down the file until the menu is displayed.
- 3 Press each menu to edit the selected file.



- **Cancel**: Returns to the previous screen.
- **Copy**: Copies the selected video/photo.
- **Cut**: Cuts the selected video/photo.
- **Rename**: Renames the video/photo you have selected.
- **Delete**: Deletes the selected video/photo.



Note

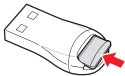
You can copy, clip or delete a movie/photo file after pressing **Multi** by dragging the top bar.



I Firmware Upgrade

You can upgrade the firmware version by saving the firmware to a microSD card and connecting the microSD card into the PC.

- 1 Access the BLACKVUE SPORT web site (www.blackvuesport.com) and download the firmware upgrade file.
- 2 Insert the provided microSD card into a microSD card reader.



- 3 Connect the microSD card reader to the PC and copy the downloaded firmware to the microSD card.



- 4 Detach the microSD card from the microSD card reader, and insert the microSD card into the camera.



- 5 When the power is turned on, it is automatically upgraded.



Note

- Make sure that the power is never turned off while firmware upgrade is in progress.
- When the remaining battery level is below one, you cannot upgrade the firmware.
- During upgrade, you can check the upgrade status through the LED indicators. VIDEO LED starts blinking first, and then the other LEDs blink additionally according to upgrade status.
- The camera turns off automatically after updating the firmware. Press the power button to use the camera.

> Product Specifications

To enhance the performance of the product, the product specifications may be changed without prior notice.

Model		BLACKVUE SPORT	
Camera	Pixel	3.5 Mega Pixel	
	Angle of View	Opposite Angle 138°	
	Weight	77g (LCD : 22g)	LCD optional
	Size (WxLxH)	55mm x 36.7mm x 44.2mm	
	Sensor	3.5M CMOS Sensor	
H/W Interface	Storage	micro SD Card	Up to 32 GB Class10 or higher microSD cards are recommended
	Input/Output	USB 2.0 / USB 2.0, HDMI	
	Button	Power/Mode, Wi-Fi, Shutter/Choice	
	LCD	2.0 inch, 240p	

Battery	Type	Rechargeable 1050mAh Li-ion Polymer Battery	
	Charging	Micro USB	
Video	Format	MP4	
	Resolution/FPS	1080p 30fps 720p 60/30fps	
	Time Laps Recording	1, 5, 30, 60, 300, 600 second intervals	
Photo	Format	JPEG	
	Resolution	3.5M (2304x1536 3:2) 3M (2048x1536 4:3) 3M (2304x1286 16:9)	
High Speed Shooting	Resolution/FPS	480p 120fps	

Wi-Fi	13 Channel	802.11b/g/n(20)	
	9 Channel	802.11n(40)	
	PCM	DSSS(CCK), OFDM(QAM)	
Audio	Mic	Built-in, Mono	
	Format	128kHz, AAC	
Software	Application	BLACKVUE SPORT APP	Android 2.3 or later, iOS 5.0 or later

Waterproof	Degree	IP68	
	Housing	Depth Rate 10m / 32ft	
		Frontcase (basic)	Option
		Frontcase (extended)	
		Backdoor (for LCD)	Option
		Backdoor (silm)	
Waterproof power cable		External power supply	
Operation Temperature		0°C ~ 45°C ※ Due to the characteristics of Li-ion Polymer Battery, product performance may decrease when the product is used under 0 degree.	

FCC Compliance Information (FCC ID: YCK-SC300)

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.

CAUTION : 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.

Modifications not expressly approved by the manufacturer could void the user's authority to operated the equipment under FCC rules.

Product Warranty

- **The term of this product warranty is 1 year from the purchase date. (Accessories such as Battery : 6 Months)**
- We, PittaSoft Co., Ltd., provide the product warranty according to Consumer Dispute Settlement Regulations (drawn up by the Fair Trade Commission).
PittaSoft or designated partners will provide the service upon request.

Product Name (Model Name)		Serial No.	
Purchased When		Purchased Where	
Customer Information		Address / Call Number	

Consumer Injury		Warranty	
		Within the Term	Out of the Term
For performance / functional problems under normal use conditions	For serious repair required within 10 days of purchase	Exchange/Refund	N/A
	For serious repair required within 1 month of purchase	Exchange	
	For serious repair required within 1 month of exchange	Exchange/Refund	
	When not exchangeable	Refund	

Consumer Injury			Warranty	
			Within the Term	Out of the Term
For performance / functional problems under normal use conditions	Repair If Available	For Defect	Free Repair	Paid Repair/ Paid Product Exchange
		Repeated problem with the same defect (up to 3 times)	Exchange/Refund	
		Repeated trouble with different parts (up to 5 times)		
	Repair If Unavailable	For the loss of a product while in A/S		Refund after depreciation plus an additional 10% Maximum: purchase price)
		When repair is unavailable due to lack of spare parts within the component holding period		
		When repair is unavailable even with spare parts		Exchange/ Refund after depreciation
1) Malfunction due to customer fault - Malfunction & damage caused by user negligence (fall, shock, damage, unreasonable operation, etc) or careless use - Malfunction & damage occurred after a repair conducted by the consumer of the third person, not our A/S engineer. - Malfunction & damage due to used of unauthorized components, consumables, or separately sold parts 2) Other Cases - Malfunction due to natural disasters (fire, flood, earthquake, etc) - Expired life span of a consumable part - Malfunction due to external reasons			Paid Repair	Paid Repair

■ This warranty is only valid in the country where you purchased the product.

■ Exchange or refund is available only in the original place of purchase.

MEMO

MEMO

SC300 BLACKVUE BIKE™

    YCK-SC300
MISP-CMM-PTA-SC300



Name | BLACKVUE SPORT

Manufacturer | Pittasoft Co.,Ltd. / South Korea

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