

Getac

BWC BC-4K User Guide



Copyright © Getac Technology Corporation.
All Rights Reserved.
Phone +886 (0)2-2785 7888
Rev: 1.61

Contents

Chapter 0: Revision History	3
Chapter 1: Unpacking	4
Chapter 2: System Requirement	5
Chapter 3: System Specification	6
Chapter 4: System Operation	7
Chapter 5: Management	18
Chapter 6: Troubleshooting	23
Chapter 7: Regulatory Information	24

Chapter 0: Revision History

Title		Getac BWC BC-4K User Guide
Rev	Date	Description
v1.0	2021/09/22	Initiation version.
v1.1	2021/10/20	Notice update
v1.2	2022/02/11	Model name update
v1.3	2022/03/11	Add 5.5. OLED Display
v1.4	2022/03/29	Add Input Information
v1.5	2022/07/25	
v1.6	2022/08/05	
v1.61	2022/08/11	

Chapter 1: Unpacking

✧ Standard Package

Item	Description	Outlook	Quantity
1	BWC BC-4K Body Worn Camera		1

✧ Optional Accessories

Item	Description	Outlook	Quantity
1	Adjustable Pocket Mount v2		Optional
2	Chest Clip v2		Optional
3	Magnetic Mount v2		Optional
4	Molle Mount v2		Optional
5	Dual Magnetic Mount v2		Optional

Chapter 2: System Requirement

2.1. Operating System.

Operating System	Version	Supported	Remark
Win10	64bit	Yes	

2.2. System Requirement

	Item	Specification	Remark
1	CPU	Intel Core i3 or i5 above	
2	Memory	4.00 GB	
3	Disk	100GB	

Chapter 3: System Specification

3.1. BWC BC-4K Hardware Specifications

Item	Specification	Remark
Dimension	96 x 65.6 x 25.4 mm	
Weight	200g	
RAM	48Gb	
eMMC	128GB; Built-In	
Lens FOV	140 degree(H)	
Wireless - WIFI	802.11 a/b/g/n/ac 2.4GHz / 5GHz	
Wireless - Bluetooth	BLE	
LTE	Cat-4	
GPS	Yes	
Covert Key	Yes	
Video Categorize	64 Category	
Mark Button	Save "Mark" into Metadata file	
Power/RF Button	Yes	
Resolution	4K(3840x2160)/30FPS 2K(2560 x 1440)/30FPS 1920x1080/30FPS 1280x720/30FPS	
File Format	.MP4	
Operation Temp.	-20 ~ 50 degree C	
Drop	1.8 meter	
IP Rating	IP67	
FCC	Yes	
CE	Yes	
IC	Yes	
RoHS	Yes	
LTE	Yes; AT&T/FirstNet, Verizon	

Chapter 4: System Operation

4.1. BWC Operation



No.	Description
1	On/Off Button: Wi-Fi wake-up supported
2	Microphone
3	Camera Status LED
4	Mode Switch (Normal/Covert)
5	Camera Lens
6	Wheel Switch
7	Main Button (Start/Stop/Mark/Confirm)
8	Speaker
9	Dock Connector: Connects to the charging dock.
10	OLED

4.2. BWC Button Function

	Key	Function	Remark
1	Power Button	To power on/off body worn camera	
2	Power Button	To wake up Wi-Fi forcedly	
3	Main Button	To start/stop recording	
4	Main Button	To confirm categorize operation & mark	

4.2.1. LED

Please refer to 5.3.

4.2.2. Microphone

For audio recording purpose.

4.2.3. On/Off Button

Press power button one time to boot BWC. Press power button 10 seconds to shutdown BWC.

4.2.4. Mode Switch

Normal mode and Covert mode switch.

4.2.5. Wheel Switch

When stopping recording, you can use wheel switch to categorize the instant.

4.2.6. Main Button

To start recording/stop recording and mark/confirm function.

4.2.7. Speaker

To provide audio notifications.

4.2.8. Action Description

Action	State	Audio
Press Power button 1 sec	Power on	Hello
Press Power button for 10 sec	Power off	Goodbye
Wheel select	Category	Clarify Event-1 Event-... Event-.... Event-64 Confirm
Press REC button two times	Start Recording	Recording
Press REC button 3 sec	Stop Recording	Stop Recording
Press Power button	Video Mark	Mark
Mode switch	Covert On	No sound
Mode switch	Covert Off	Covert Off (or no sound)
Battery low at 5%, Shutdown at 1%	Battery Low	Battery Low
Put on dock	Battery Charge	Battery Charge
Memory full at 0byte remaining	Memory Full	Memory Full
Memory low at 4GB remaining	Memory Low	Memory Low
Press power button 1sec when REC	Mute On	Mute On
Press power button 1sec when REC and mute on	Mute Off	Mute Off
Press power button for 3 sec when pre-rec or standby	Audio only Recording	Audio Only
Press Power button 3 sec	Audio Stop	Audio Stop
Server send live on	Live On	Live on
Server send live off	Live Off	Live off

4.3. BWC LED Indicator

4.3.1. Status LED

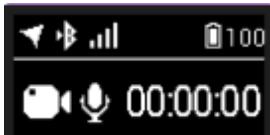
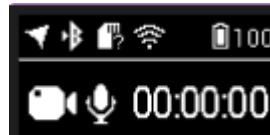
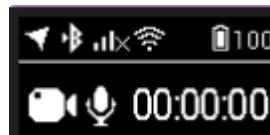
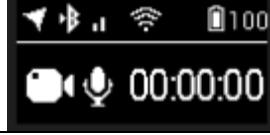
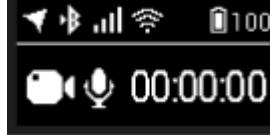
Operation LED	Operation Mode
Green Solid	Available camera (Data Offloaded/Full Charged)
Red Solid	Storage Full, Battery Low, OTA
Red Normal Blinking	Normal Recording
Red Slow Blinking	Audio only Recording,
Red/Yellow Slow Blinking	Audio mute Recording
Yellow Fast Blinking	Offloading data
Yellow Solid	Charging

4.4. Audio Prompt

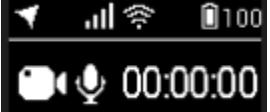
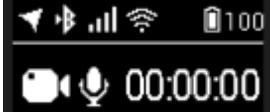
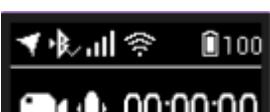
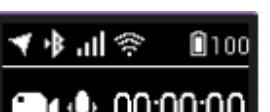
Operation Mode	Beep Sound	Audio Prompt
Video Tag	Beep/Every press	
Storage Full	Beep/5 sec	
Storage Low<4GB	Beep/5 sec with 10 times	
Buffer mode and WiFi connected	Beep * 2 within 1 second	
Recording mode and WiFi connected	Beep * 2 within 1 second	
Buffer mode and LTE connected	Beep * 2 within 1 second	
Recording mode and LTE connected	Beep * 2 within 1 second	
Power On		Hello
Power Off		Goodbye
Category		Depend on event
Start Recording		Recording
Stop Recording		Stop Recording
Video Mark		Mark
Covert Off		Covert Off
Battery Low		Battery Low
Battery Charge		Battery Charge
Memory Full		Memory Full
Memory Low		Memory Low
Mute On		Mute On
Mute Off		Mute Off
Audio only recording		Audio Only
Audio Stop		Audio Stop
Live On		Live On
Live Off		Live Off
Wifi On		Wifi on

4.5. OLED Display

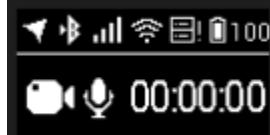
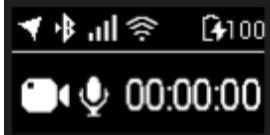
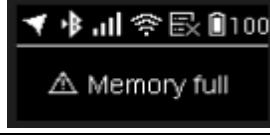
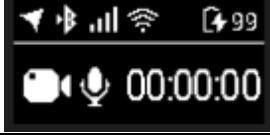
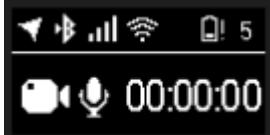
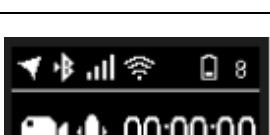
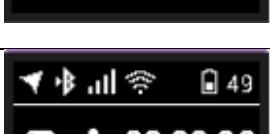
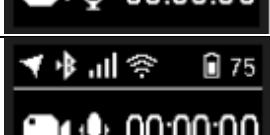
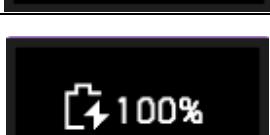
4.5.1 Icon Definition

Function	Icon	Function	Icon
LTE		Wi-Fi	
Wi-Fi Only		Wi-Fi Off	
No SIM		Wi-Fi On, No Connection	
No Service		Wi-Fi On, Connected Signal Low	
Signal Low		Wi-Fi On, Connected Signal Middle	
Signal Middle		Wi-Fi On, Connected Signal High	
Signal High			

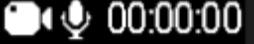
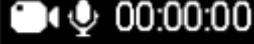
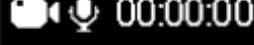
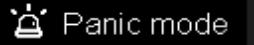
Getac BWC BC-4K User Guide

Function	Icon	Function	Icon
Bluetooth		GPS	
Bluetooth Off		GPS Off	
Bluetooth On, Standby		GPS On, No fixed	
Bluetooth On, Connected		GPS On, Fixed	

Getac BWC BC-4K User Guide

Function	Icon	Function	Icon
Storage		Battery	
Storage Low < 4GB		Battery Fully Charged	
Storage Full		Battery Charging	
		Battery Low < 5% (0-5)	
		Battery 25%(6-25)	
		Battery 50%(26-50)	
		Battery 75%(51-75)	
		Battery 100%(76-100)	
		Off Mode Charging	

Getac BWC BC-4K User Guide

Function	Icon	Function	Icon
Other		Other	
APP Connecting	<p>App connecting..  100</p>  00:00:00	Live Streaming On	<p>Live on  100</p>  00:00:00
APP Connected	<p>App connected..  100</p>  00:00:00	Live Streaming Off	<p>Live off  100</p>  00:00:00
Other			
Panic	 100		
	 Panic mode		

4.5.2 Menu Operation



Switch Menu Page

(Rotate Wheel button)

Wrap from the last to first (Buffer Mode)

clockwise : Ready > 1 > 2 > 3 > 4 > 5 > 6 > 7 > 8 > Ready > 1 > 2

counterclockwise : Ready > 8 > 7 > 6 > 5 > 4 > 3 > 2 > 1 > Ready > 8 > 7

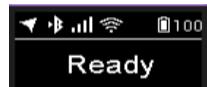


4.5.2.1 Menu

< User (1/8) > Adeel Muhammad	< Video (2/8) > Storage remaining: 10.2GB Asset count: 20	< System Time (3/8) > 2022-May-10 18:00:20	< Information (4/8) > Unit ID: 1234567890 SN: WY1000xx001	< Revision (5/8) > FW:5.0.5.50
< Volume (6/8) > 4	< Diagnostic (7/8) > 1.Battery : 406V.. (More)	< System (8/8) > 1.LAN 192.168.17.. (More)		

4.5.2.2 Certification Information

(1) Turn the “Wheel” during “Ready status”



(2) Select “System(8/8)” column

< User (1/8) >	< Video (2/8) >	< System Time (3/8) >	< Information (4/8) >	< Revision (5/8) >	< System (8/8) >
Adeel Muhammad	Storage remaining: 10.26GB Asset count: 20	2022-May-10 18:00:20	Unit ID: 1234567890 SN: WX1000xx001	FW: 5.0.5.50	1.LAN: 192.168.17.. (More)

(3) Press “Power button” to enter into 2nd level menu, then to select “Certification”



Chapter 5: Management

5.1. Operation Introduction

Automatic uploading is Quick, Secure and requires no action from the officer. With Getac Cloud, you can securely manage the digital assets obtained from in-car cameras, body worn cameras, interview rooms and other digital devices. Any digital video, image or document may be securely uploaded, browsed, viewed, classified and shared using only a web browser.

Getac Enterprise software is one of the most powerful back-end video management tools in the industry. The highly scalable software provides dashboard overview, media management and remote management of all your systems.



Software Command & Control



Manage Data Effectively

5.2. Real time Monitoring

The BWC can wirelessly transmit real-time footage when connected to the In-Car Video DVR or In-Car PC. This footage can then be further transmitted to the squad car computer or the police command center to be viewed by the commanding officer.

True control means having access to the sensors and information you need to make quick, informed decisions. Getac Real Time Command allows your force to capture, record and store digital evidence crucial to the case. All so you can visualize and associate agency-unique and mission-specific data and sensors in a clear, easy-to-track format. This puts the right information in your hands so you can lead your force with actionable insights.



5.3. Instant tag

Turning the Dial allows officers to classify incidents into one of 64 different preset classifications for quicker and easier access.

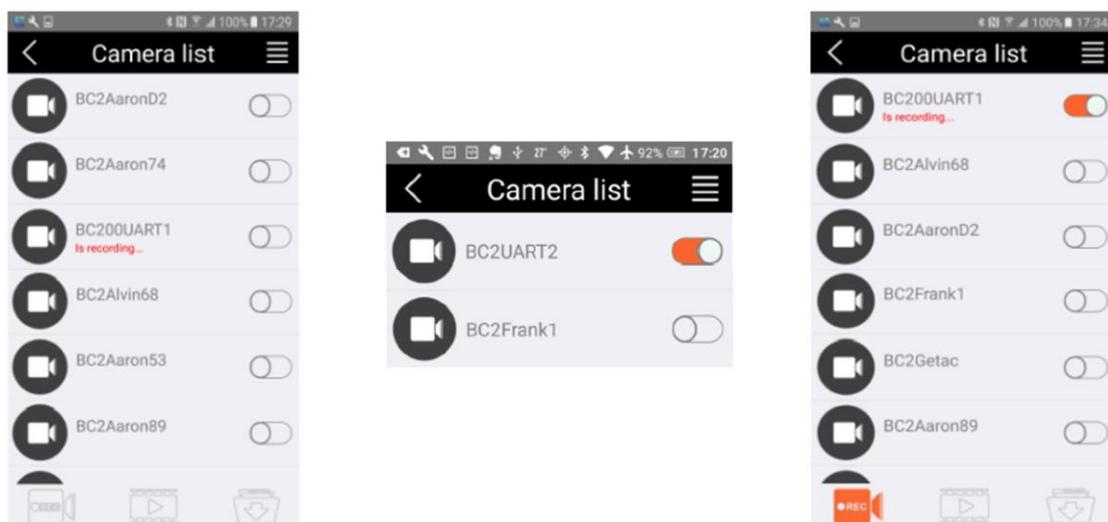
The 64 preset BWC evidence categories can be specified for each department. Use the convenient category wheel to easily classify videos by up to four predefined incident types. Our mobile app allows you to view and organize videos on the device without downloading or breaking the chain of custody.



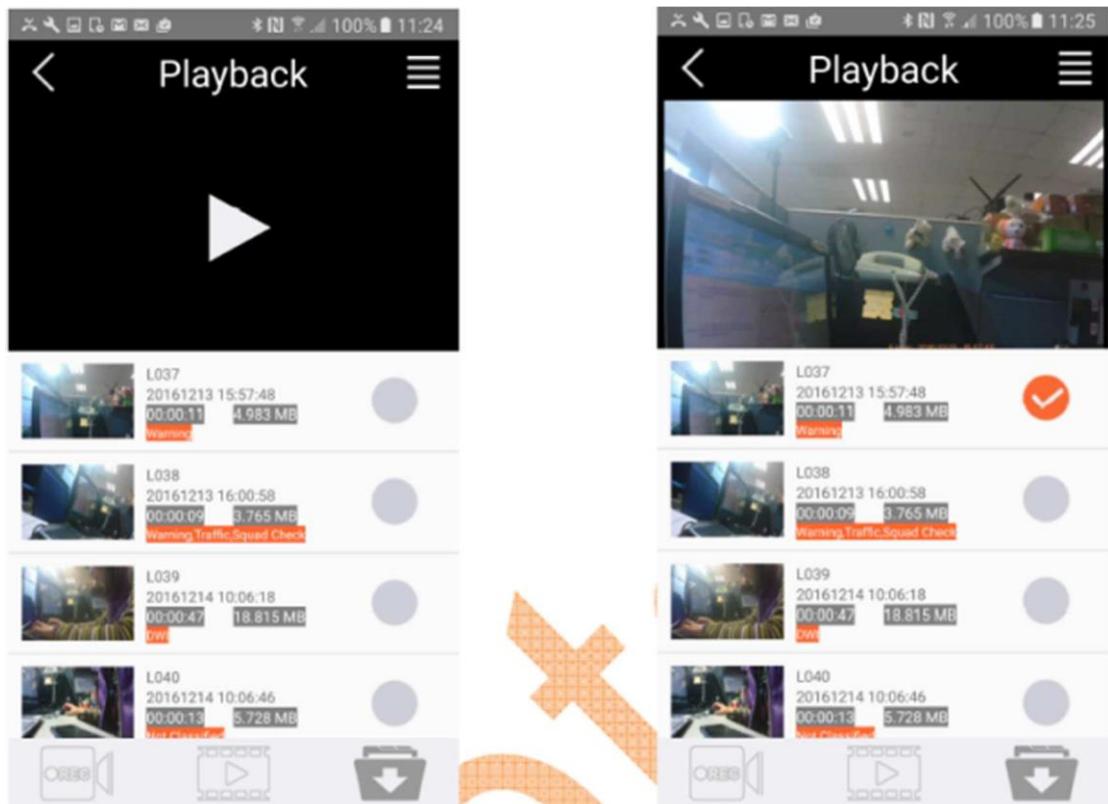
5.4. Mobile APP

With the mobile Getac BWC App, Police officers can perform video playback and categorize the videos. Videos are not downloaded, but merely played off the BWC.

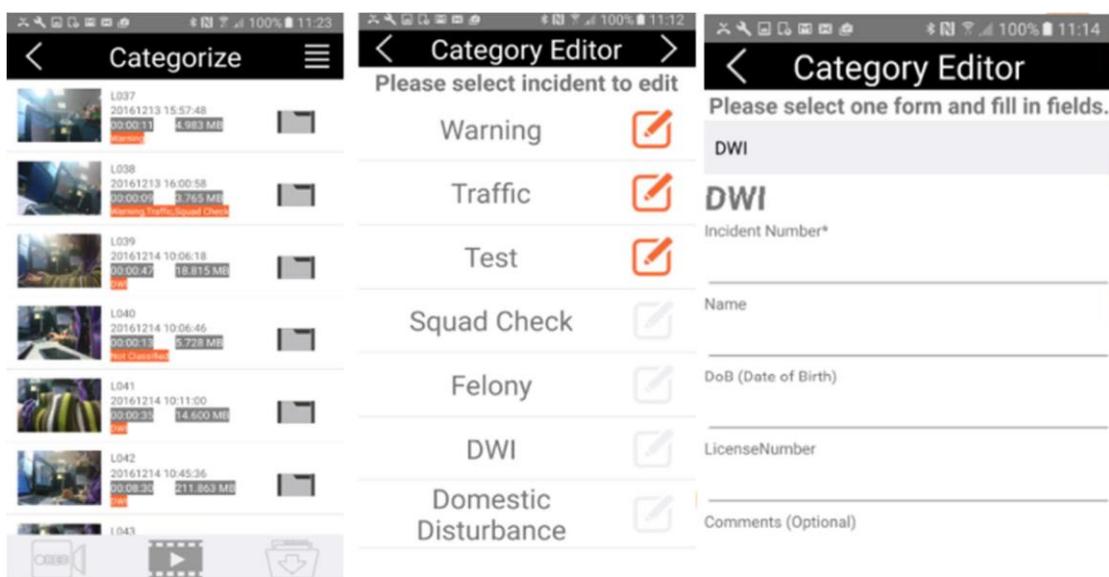
5.4.1. Remote Recording



5.4.2. Video Playback



5.4.3. Instant Category



Chapter 6: Troubleshooting

If your issue is more detailed and has not been covered here, please check the rest of the website to see if it has been answered.

www.getacvideo.com

NOTE

The information in this manual is subject to change without notice. For the latest version of the manual, please visit the Getac website at www.getacvideo.com.

Notice

- (1) For SIM slot replacement, please use dedicated hook in the shipping box.

Chapter 7: Regulatory Information

NOTE: Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this chapter. Some notices apply to specific models only.

Regulations Statements

USA Class A Regulations

Federal Communications Commission Radio Frequency Interference Statement

NOTE:

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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment. A

Please note: The use of a non-shielded interface cable with this equipment is prohibited.

Company name: Getac Video Solution Inc.

USA Address: Suite 460, 3600 American West Blvd. Bloomington, MN 55431

USA Phone: 833-820-5172

Industry Canada Statement

RSS-Gen Issue

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions: (1) This device may not cause interference; and (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This equipment complies with Innovation, Science and Economic Development Canada's radiation exposure limits set forth for an uncontrolled environment. The End user must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. The device is designed to meet the requirements for exposure to radio waves established by the Innovation, Science and Economic Development Canada's. These requirements set a SAR limit of 1.6 W/kg averaged over one gram of tissue. The highest SAR value reported under this standard during product certification for use when properly worn on the body.

Ce matériel répond à l'innovation, science et développement économique canada est l'exposition maximale fixée pour un autre environnement. L'utilisateur final doit suivre les instructions d'exploitation de l'exposition aux radiofréquences spécifiques pour satisfaire la conformité. Cet émetteur ne doit pas être situées ou opérant conjointement avec toute autre antenne ou l'émetteur. Le dispositif est conçu pour répondre aux exigences de l'exposition aux ondes radio créée par la science et l'innovation, développement économique Canada. Ces exigences limite de sar de 1.6 W / kg en moyenne pour un gramme de tissu. La valeur der - sen vertu de cette norme plus élevée au cours de la certification de produits déclarés pour une utilisation bien portés sur le corps.

Operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.

La bande 5150–5250 MHz est réservée uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

CAN ICES-3 (A)/NMB-3(A)

CAUTION:

Do not expose your skin to the BWC when operating it in a very hot or cold environment.

The BWC can get uncomfortably warm when you use it in high temperatures. As a safety precaution in such a circumstance, do not place the BWC on your lap or touch it with your bare hands for extended periods of time. Prolonged body contact can cause discomfort and potentially a burn.

Safety Notices

About the Battery

If the battery is mishandled, it may cause fire, smoke or an explosion and the battery's functionality will be seriously damaged. The safety instructions listed below must be followed.

Danger

Do not immerse the battery with liquid such as water, sea water or soda.

Do not charge/discharge or place the battery in high-temperature (more than 80 C / 176 F) locations, such as near a fire, heater, in a car in direct sunlight, etc.

Do not use unauthorized chargers.

Do not force a reverse-charge or a reverse-connection.

Do not connect the battery with AC plug (outlet) or car plugs.

Do not adapt the battery to unspecified applications.

Do not short circuit the battery.

Do not drop or subject the battery to impacts.

Do not penetrate with a nail or strike with a hammer.

Do not directly solder the battery.

Do not disassemble the battery.

Keep the battery away from an extremely low air pressure environment as it may result in an explosion or the leakage of flammable liquid or gas.

Warning

Keep the battery away from infants.

Stop using the battery if there are noticeable abnormalities such as abnormal smell, heat, deformities, or discoloration.

Stop charging if the charging process cannot be finished.

In case of a leaking battery, keep the battery away from flames and do not touch it.

Pack the battery tightly during transport.

Caution

Do not use the battery where static electricity (more than 100V) exists that might damage the protection circuit of the battery.

When children are using the system, parents or adults must ensure that they are using the system and battery correctly.

Keep the battery away from flammable materials during charging and discharging.

In case lead wires or metal objects come out from the battery, you must seal and insulate them completely.

Caution Texts Concerning Lithium Batteries

Rating Label Information

About the Input

■ Input: 5V  3A 或 9V  2.2A