



# BWC BC-03

## User Guide



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## Chapter 0: Revision History

Title		Getac BWC BC-03 User Guide
Rev	Date	Description
V1.0	2018/08/30	Initiation version.
V1.1	2018/12/05	
V1.2	2019/01/23	
V1.3	2019/12/25	
V1.4	2020/03/18	
V1.5	2021/04/27	
V1.6	2021/05/27	
V1.7	2023/04/10	For Saudi Arabia
V1.8	2023/06/30	Combined Version

## Chapter 1: Unpacking

### ✧ Standard Package

Item	Description	Outlook	Quantity
1	BWC BC-03 Body-Worn Camera		1

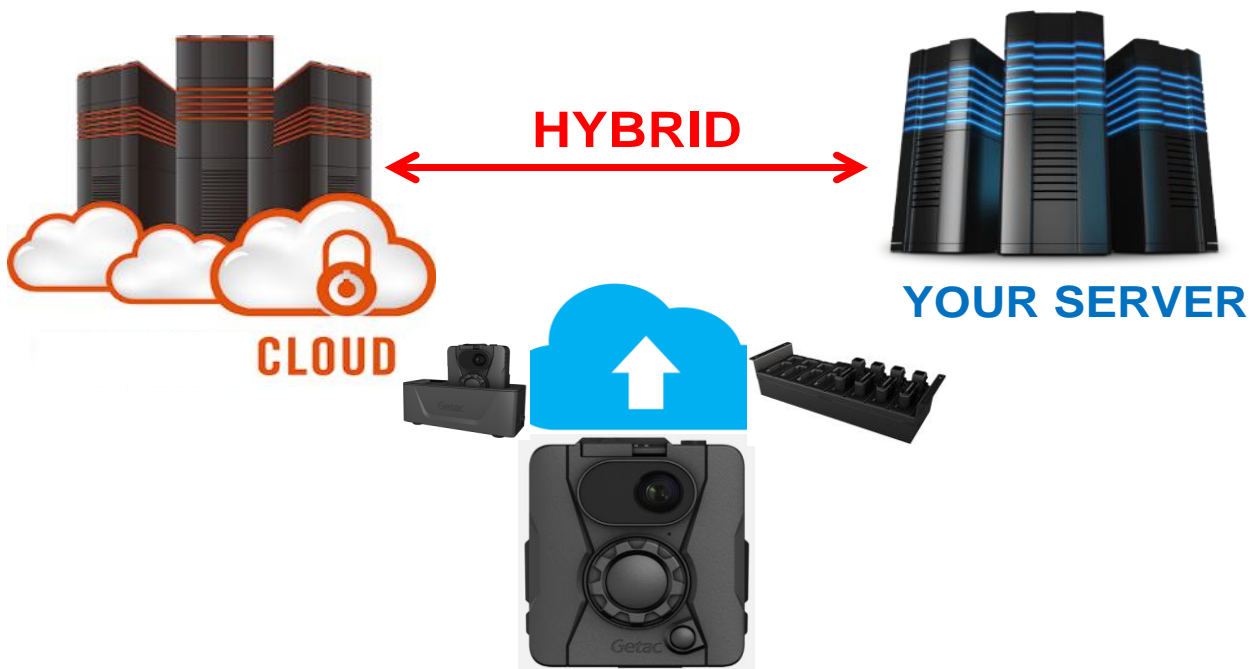
### ✧ Optional Accessories

Item	Description	Outlook	Quantity
1	Adjustable Pocket Mount		
2	Chest Clip		
3	Double Side Magnetic Mount		
4	Magnetic Mount		
5	Molle Mount		
6	Single Dock		
7	Multiple Dock		

## Chapter 2: System Architecture

### 2.1. Getac Video Solution with Back-end System

- BWC BC-03
- BWC VD-03(Optional)
- BWC MD-03/MD-03D(Optional)
- Enterprise Server



### 2.2. What is Getac BWC solution?

In the wake of recent years of police controversy as well as subsequent protests, there has been a call to mandate the use of Body Worn Cameras to promote Accountability and Transparency.

Getac Video solution helps user automatically recording, data offloading and view media evidence and secure it.

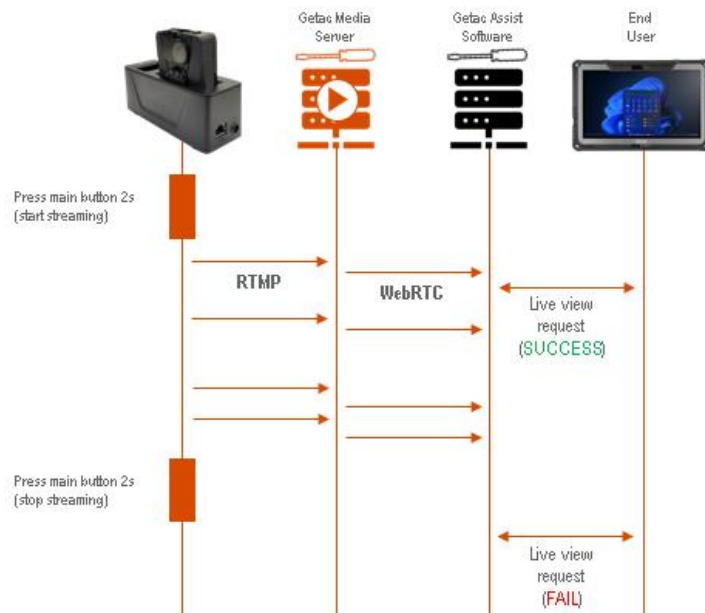
If the video is being sent to the Enterprise Server (Intranet), it is immediately uploaded directly from the BWC to Enterprise server.

If the video is being transferred to the Azure, the data is temporarily stored at the Network Attached Storage till there is adequate bandwidth to upload.

BWCs Office docks can be centralized and mounted on the wall for more efficient use of space. Simple LED Indicators on the BWC allows for quick status recognition for express check in/out.

### 2.3. Getac Assist Solution

- BWC BC-03
- BWC VD-03(Optional)
- BWC MD-03(Optional)
- Getac Assist Software



➤ End-user-application will map device name to live view streaming



### 2.4. What is Getac Assist solution?

- For Automotive
  - Remote collaboration with onsite technicians and remote experts in real-time anywhere in the world
  - Training, maintenance + support
  - Improved customer experience
  - Visual inspection + warranty claims
  - Automotive workflows + INSTRUCTIONS
  - Automotive diagnostics
- For Field Service
  - Complex Problem Solving
  - Reduced Travel Time + Expense
  - Knowledge Transfer
  - QA + Inspections
  - Compliance
  - Standardized Workflows
  - PM + Maintenance
  - Solving The Last Mile Problem - Staying Connected Where Work Happens
- For Rail Management
  - Reduce damage claims in Automotive Rail-yards
  - Reduce repair time
  - Increase efficiency in track maintenance
  - Increase Safety
  - On-the-job-training
  - QA + Inspections
  - Real-time Collaboration
  - Regulation + Compliance Adhearance
  - Video + Picture Documentation
  - Maintence + PM
  - Solving The Last Mile Problem - Staying Connected Where Work Happens

## Chapter 3: System Requirement

### 3.1. Operating System.

Operating System	Version	Supported	Remark
Win10	64bit	Yes	

### 3.2. System Requirement

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

## Chapter 4: System Specification

### 4.1. BWC BC-03 Hardware Specifications

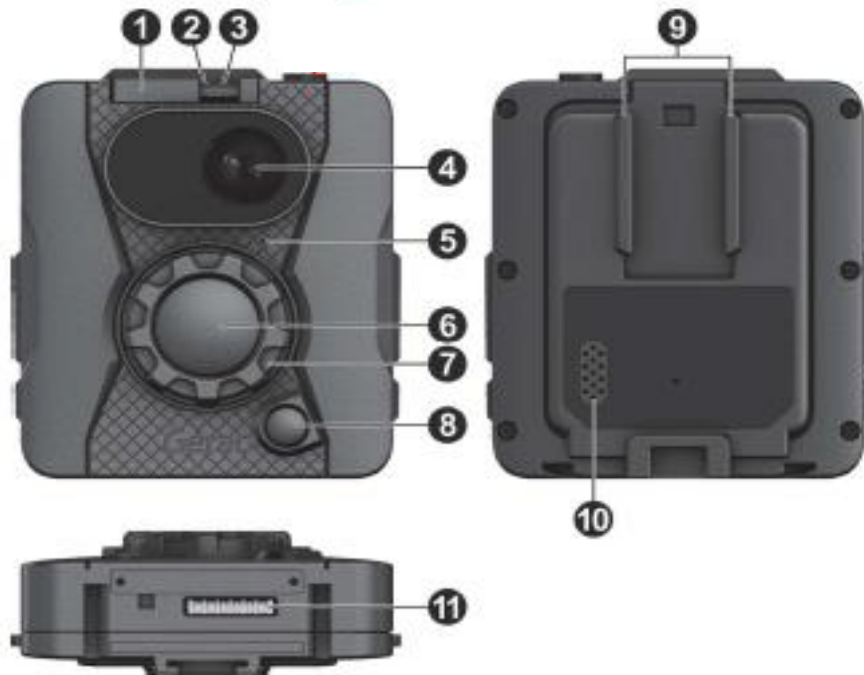
Item	Specification	Remark
Dimension	83.7 X 73 x 21 mm	
Weight	180g	
RAM	8Gb	
eMMC	64GB; Built-In	
Lens FOV	140 degree(H)	
Wireless - WIFI	802.11 b/g/n/ac	
Wireless - Bluetooth	BLE	
LTE	Cat-4	
GPS	Yes	
Slide Switch	Normal/Covert	
Video Categorize	64 Category	
Mark Button	Save "Mark" into Metadata file	
Power/RF Button	Yes	
Resolution	1920x1080/30FPS 1280x720/30FPS 768x432/30FPS 640x360/30FPS	
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	

**4.2. BWC VD-03 Hardware Specifications**

<b>Product Name</b>		<b>Getac VD-03</b>
<b>Vehicle mounting function</b>		Support pass-through holes on backside and bottom side for "vertical installation".
<b>Vehicle dock function</b>		Support BWC B3 for battery charging(both still & moving states) in "vertical" installation
<b>Office dock function</b>		Support BWC B3 for battery charging on office table docking in "vertical direction"
<b>I/O Port</b>		Ethernet Port * 1(10/100Mb) DC Jack * 1
<b>AC Adapter</b>		12V, 2A, 24W
<b>Warranty</b>		Standard 1 year, extendable for 2nd & 3rd year.
<b>Operation Temp.</b>		-20~50 degree C; battery charging temp > 0°C, <40°C
<b>Humidity</b>		5% to 95%
<b>Vibration test (non OP)</b>		MIL-STD-810G Fig. 514.6 E-1
<b>Storage Temp.</b>		-40~70 degree C
<b>Dock/Undock</b>		Support 10,000 times life
<b>Status Indicator</b>		Support Green LED, "On" = power-connected, "Off" = power-disconnected.
<b>Regulation</b>		FCC, CE
<b>ID and label</b>		Getac Logo printing & rating label.

## Chapter 5: System Operation

### 5.1. BWC Operation



No.	Description
1	Mode Switch (Normal/Covert)
2	Power Status LED
3	Camera Status LED
4	Camera Lens
5	Microphone
6	Main Button(Recording on/off/Mark/Confirm) for Getac back-end system solution
6.1	Main Button(Live Streaming On/Live Streaming Off) for Getac Assist solution
7	Wheel
8	Power Button
9	Interlocking Grooves
10	Speaker
11	Pogo PIN

### 5.2. BWC Button Function for Getac back-end solution

	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	

#### 5.2.1. LED

Please refer to 5.3.

#### 5.2.2. Microphone

For audio recording purpose.

#### 5.2.3. On/Off Button

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

#### 5.2.4. Mode Switch

Normal mode and Covert mode switch.

#### 5.2.5. Wheel Switch

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

#### 5.2.6. Main Button

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

#### 5.2.7. Speaker

To provide audio notifications.

## 5.2.8. 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 1 sec	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 3.1V, Shutdown at 2.9V	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

### 5.3. BWC Button Function for Getac Assist solution

	Key	Function	Remark
1	Power Button	To power on/off body worn camera	
2	Main Button	To start/stop Live streaming	

#### 5.3.1. LED

Please refer to 5.3.

#### 5.3.2. On/Off Button

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

#### 5.3.3. Main Button

To start/stop Live streaming.

#### 5.3.4. Action Description

Action	State	Audio
Press Power button 1 sec	Power on	Hello
Press Power button for 10 sec	Power off	Goodbye
Press Main button 1 sec	Start Live Streaming	Live on
Press Main button 1 sec After Live on	Stop Live Streaming	Live off
Battery low at 3.1V, Shutdown at 2.9V	Battery Low	Battery Low
Put on dock	Battery Charge	Battery Charge
Auto Turn On Wi-Fi(Dock-Out)	Wi-Fi auto on	Wi-Fi on
Auto Turn Off Wi-Fi(Dock-In)	Wi-Fi auto off	Wi-Fi off

### 5.4. BWC LED Indicator for Getac back-end solution

	LED	Function	Remark
1	Left	Charging LED	
2	Right	Status LED	

#### 5.4.1. Charging LED

Operation LED	Operation Mode
Green Solid	Battery Fully Charge
Red Solid	Battery Low/Storage Full
Red Fast Blinking	Storage Low<4GB
Red Slow Blinking	Charging or battery fail
Yellow Solid	Battery Charging

#### 5.4.2. Status LED

Operation LED	Operation Mode
Green Solid	Available camera(Data Offloaded/Full Charged)
Red Solid	Storage Full
Red Fast Blinking	Recording and Live Streaming
Red Slow Blinking	Recording
Yellow Fast Blinking	Offloading data
Yellow Slow Blinking	Mute in Recording

### 5.5. BWC LED Indicator for Getac Assist solution

	LED	Function	Remark
1	Left	Charging LED	
2	Right	Status LED	

#### 5.5.1. Charging LED

Operation LED	Operation Mode
Green Solid	Battery Fully Charged
Red Solid	Battery Low
Red Slow Blinking	Charging or battery fail
Yellow Solid	Battery Charging

#### 5.5.2. Status LED

Operation LED	Operation Mode
Green Solid	Wi-Fi/LTE connected
No	Wi-Fi disconnected
Yellow Solid	Live Streaming on

**5.6. 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

## Chapter 6: Management (For Getac Back-end Solution)

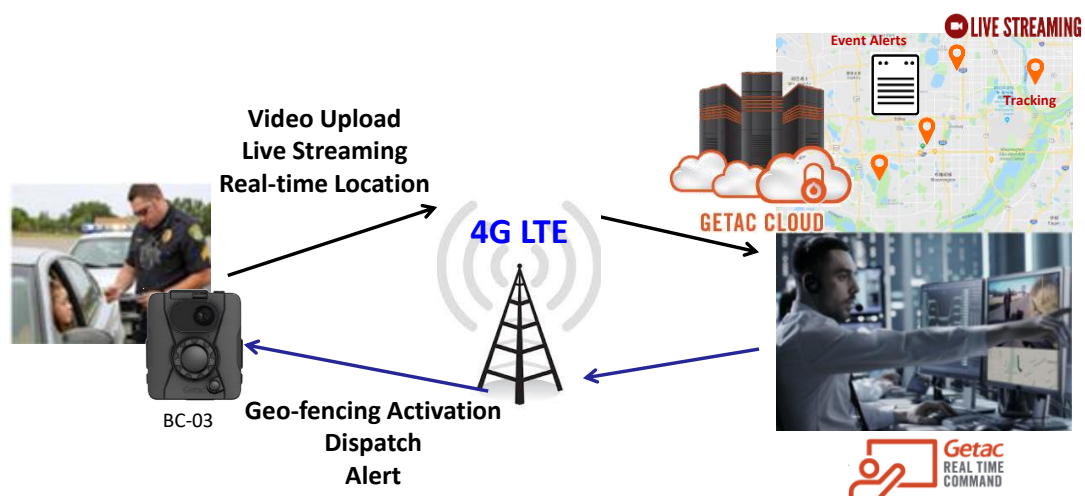
### 6.1. Operation Introduction

Automatic uploading is Quick, Secure and requires no action from the user.

### 6.2. 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.



### 6.3. Instant tag

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

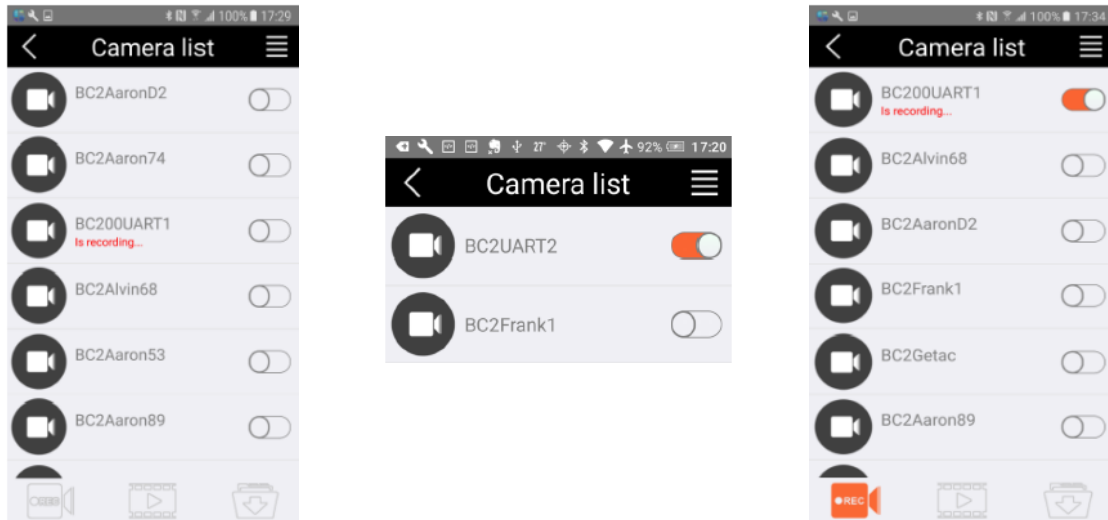
The 64 preset BWC evidence categories can be specified for each department.



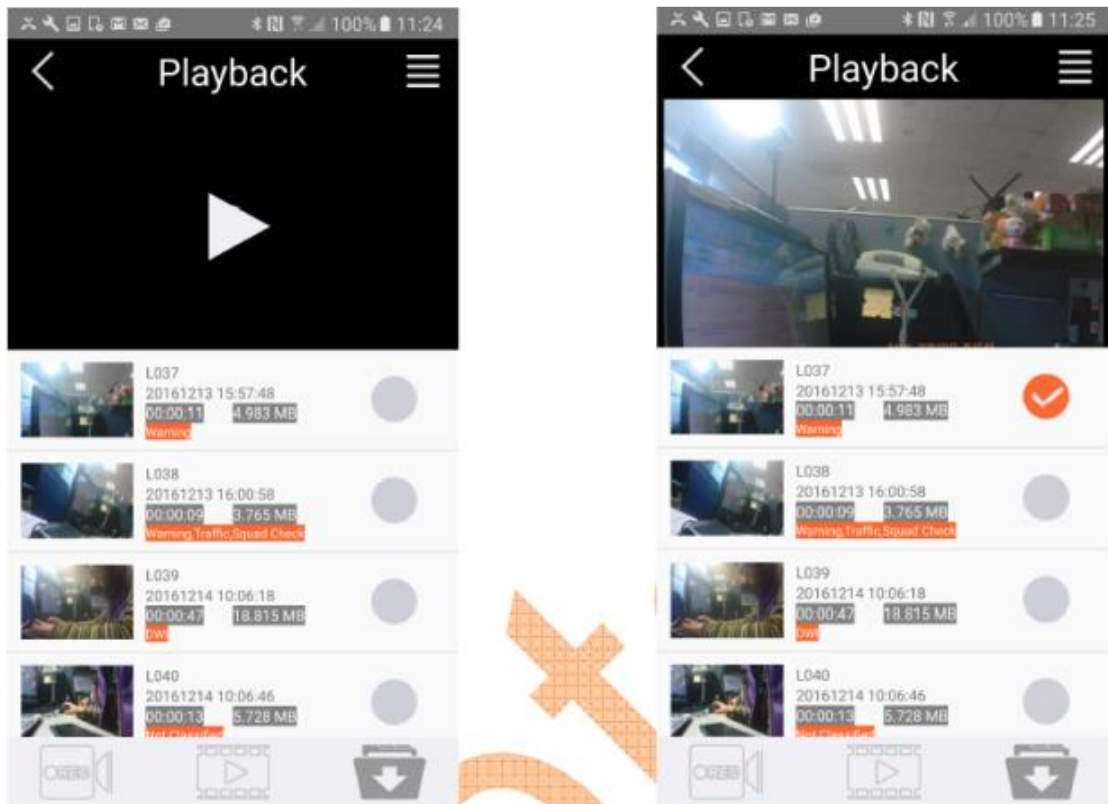
### 6.4. Mobile APP

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.

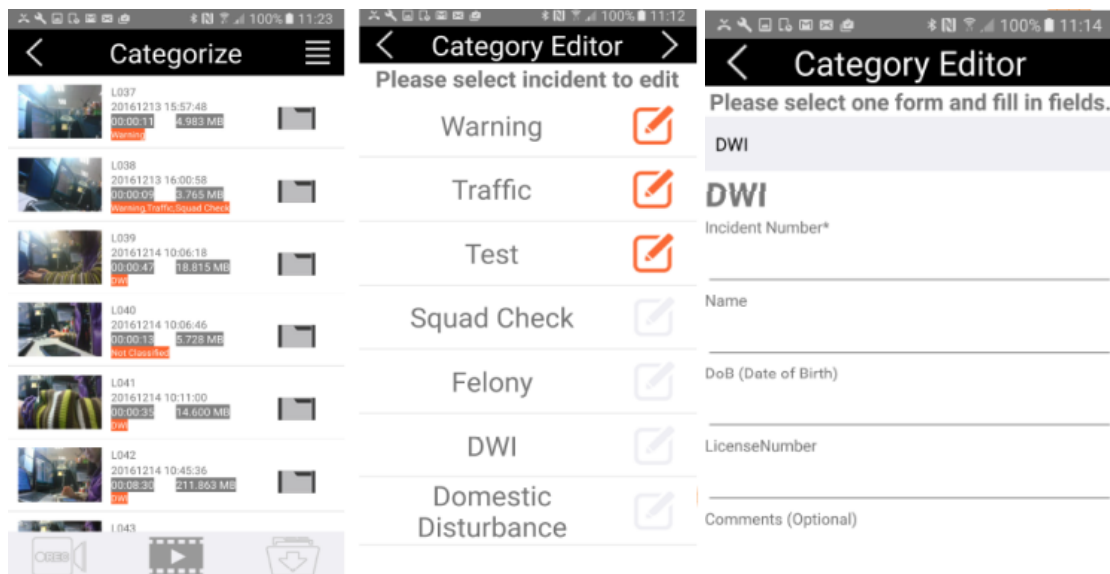
#### 6.4.1. Remote Recording



#### 6.4.2. Video Playback



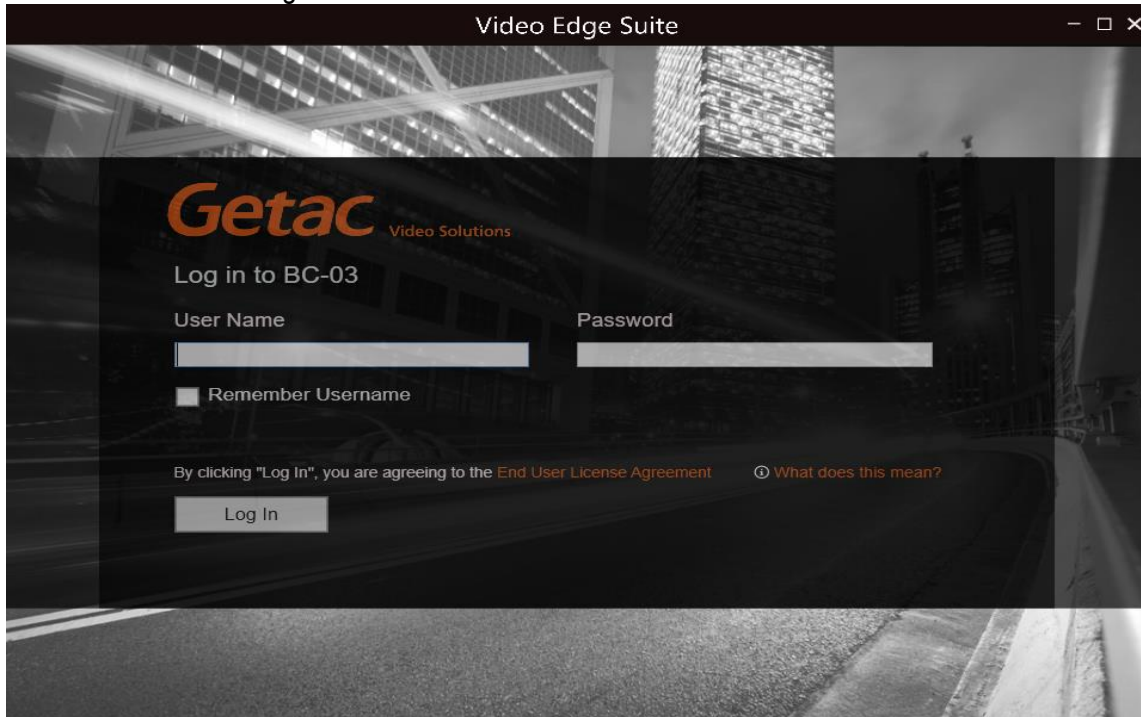
## 6.4.3. Instant Category



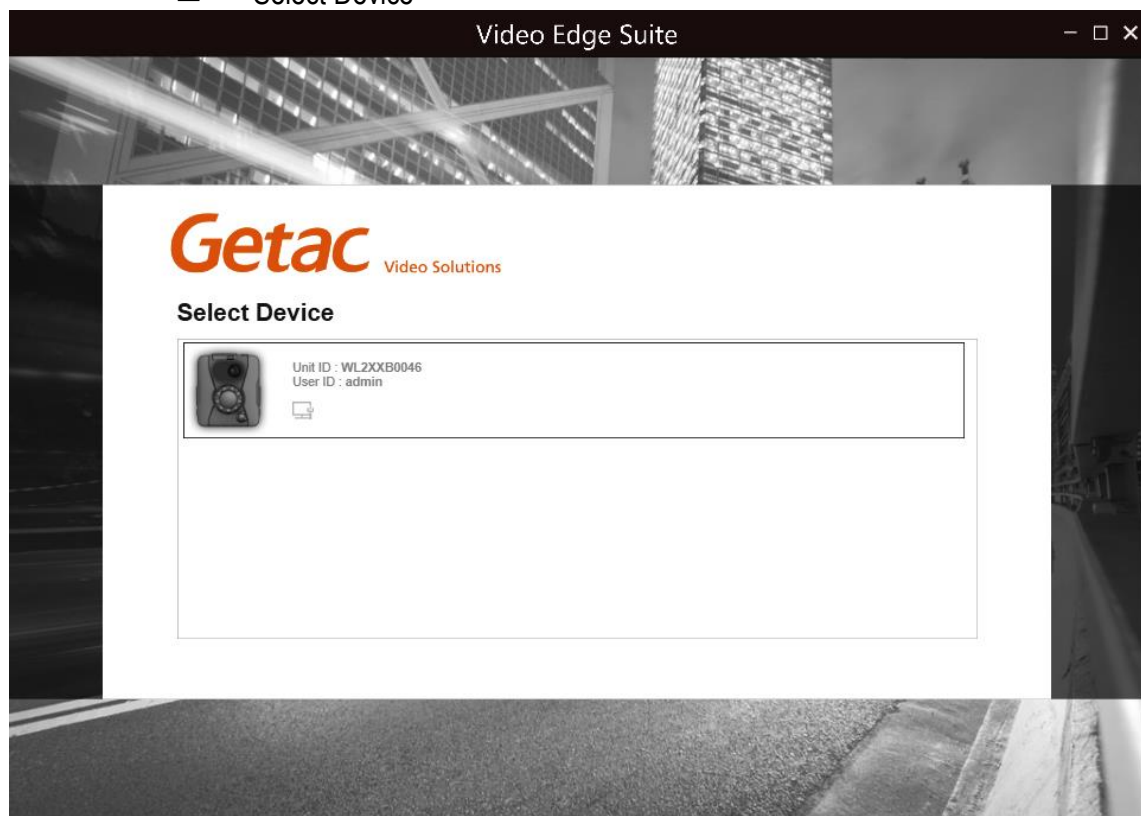
## Chapter 7: Management (For Getac Assist Solution)

### 7.1. Configuration Setting

- Login: admin/admin123



- Select Device



■ Setting: Live Streaming Resolution Setting/SSID Setting

The screenshot shows the 'Settings' tab of the 'Video Edge Suite' application. The interface is dark-themed. At the top, there's a header with the 'Getac' logo and the title 'Video Edge Suite'. Below the header, there are two tabs: 'Settings' (active) and 'FOTA'. The main content area displays various configuration options: 'Serial Number' (WL2XXB0046), 'Firmware version' (v6.14.3.3), 'Live Resolution' (a dropdown menu showing '512x288'), 'WiFi Setting' (a section header), 'Security Type' (a dropdown menu showing 'WPA2'), 'SSID' (a text field containing 'iot-office'), 'Password' (a text field with masked characters '\*\*\*\*\*'), and 'LTE Setting' (a section header). Under 'LTE Setting', there is a 'Private APN' toggle switch currently set to 'ON'.

■ FOTA: Firmware Update

The screenshot shows the 'FOTA' (Firmware Update) tab of the 'Video Edge Suite' application. The interface is dark-themed. At the top, there's a header with the 'Getac' logo and the title 'Video Edge Suite'. Below the header, there are two tabs: 'Settings' and 'FOTA' (active). The main content area displays the 'Firmware version' section, which includes a large black box with the text 'vX.XX.X.X' in white. To the right of this box is a large dashed rectangular area containing an upward-pointing arrow icon and the text 'Drag or upload an image file to update.'

## Chapter 8: 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.getac.com](http://www.getac.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.getac.com](http://www.getac.com).

## Chapter 9: 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 B Regulations

##### Federal Communications Commission Radio Frequency Interference Statement

**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. 46
- 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.

Any changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

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

This device complies with Industry Canada license-exempt RSS standard(s). 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 Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter, except tested built-in radios.

Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.

The County Code Selection feature is disabled for products marketed in the US/Canada.

La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au Canada.

### **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