

JVCJ-LITE & JVCJ DOCK

BODY WORN CAMERA

USER MANUAL



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*** SAFETY PRECAUTIONS AND CERTIFICATION**

- This document serves as the User Manual for the Body Worn Camera (BWC). It provides detailed instructions and information required for the safe and effective operation of the device.
- The manual describes the camera's features, controls, operating procedures, indicators, and basic troubleshooting guidelines.
- The contents of this manual are intended to help users understand the functionality of the Body Worn Camera and ensure proper usage during daily operations.
- The information presented is based on the finalized product design and is intended for end users, administrators, and support personnel responsible for operating and maintaining the device.

1. INTRODUCTION

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Body Worn Camera and ensure proper usage during daily operations.

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2. PRODUCT OVERVIEW



Figure 1. Multi-angle views of the device

2.1. Product Specification

Category	Specification	Details/Description
Body	Dimension (LxWxT)	Approx. 91 x Approx. 66.3 x Approx. 27.3 mm
	Weight	Approx. 165 g
Ingress Protection	Standard	IP54
Camera	Lens	M12 Mount, 139.1° (H), 79.8° (V), 160.0° (D)
	Image sensor	1920 × 1080, 30fps, 2MP
	Video Recording Format	H.264, H.265
Sound	Speaker	1W
	MIC	MEMS, Digital
	Audio Jack	3.5mm Audio Jack (Cellular Std)
	Audio Recording Format	AAC
Memory & Storage	Type	eMMC
	Capacity	128GB
Display	Type	LCD
Battery	Type	Li-ion, 3.89V, 3600mAh, 14.01Wh
Communication	Wireless connectivity	WiFi (2.4, 5GHz), Bluetooth V5.2 + BLE
Positioning	GNSS Support	GPS (L1 C/A), Galileo (E1B+E1C), QZSS (L1 C/A+L1SAIF), GLONASS (L1OF), BeiDou (B1I), SBAS (L1)
Interface	USB	USB 3.1
Power	Power Supply Voltage	5V DC
	Power	5W (max)

	Consumption	Built-in 3-axis accelerometer
	Accelerometer	

Table 1. Technical Specifications

3. INITIAL SETUP AND CONFIGURATION

This section describes the initial set up and configuration activities required to prepare the device for operation.

- **Charging the Device**

Device must be charged before first use.

Device can be charged via:

- Docking station
- USB Type-C charger

LED indication for charging

How to Boot-Up the Device:

- **Press and hold the Power button for less than 1 second** to turn ON the device.



Figure 2. Device power button position

- The device will boot up and display the “**KENWOOD**” logo followed by the Scrolling Lines on the LCD screen.



Figure 3. LCD UI loading screen

- After boot-up, the device requires **Provisioning**. If the device is not yet provisioned, the **LCD UI displays “Scan QR code”**. Else, the home screen will be displayed (Skip the remaining steps and move to the next section).

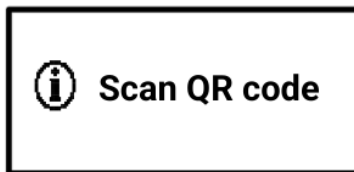


Figure 4. LCD notification - Scan QR code

- To provision the device, **present a QR code of any Wi-Fi network** in front of the camera.



Figure 5. QR code scanning in action

- Once the QR code is successfully scanned:
 - The device emits a **beep sound** indicating that the device is reading the QR code.
 - The device connects to the Wi-Fi network and accesses the internet.

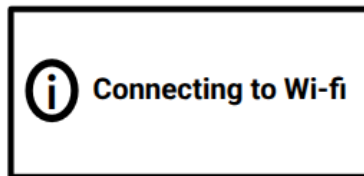


Figure 6. LCD notification - Connecting to Wi-Fi

- **Wait for a few seconds** for the provisioning process to complete.



Figure 7. LCD notification - Provisioning Now

- Upon successful provisioning, the **LCD UI displays a “Provisioned” message.**

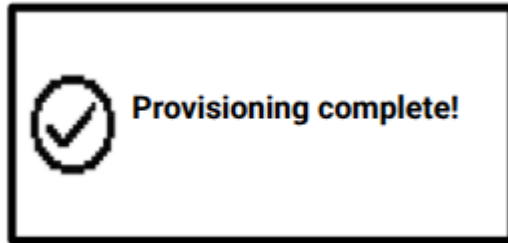


Figure 8. LCD notification - Provisioning completed

- If the provisioning got Failed the LCD UI will display as below



Figure 9. LCD notification - Provisioning Failed

4. GET TO KNOW YOUR CAMERA

4.1. Button Actions

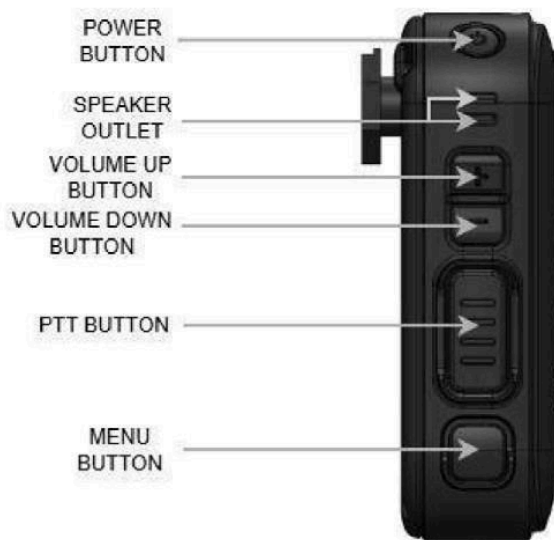


Figure 9. External button layout

Button	Instruction	Description
Power Button	Long press once	Power ON / OFF the device
Record Button	Short press once	Start video recording
	Long press once	Stop video recording
Volume Up Button	Short press once	Increase volume by one level
	Long press	Gradually increase volume to maximum
	-	Used for navigation in the menu interface (move up)
Volume Down Button	Short press once	Decrease volume by one level
	Long press	Gradually decrease volume to minimum (mute)

	-	Used for navigation in the menu interface (move down)
PTT (Push-to-Talk) Button	Press and hold	Activates the Push-to-Talk function. Hold the button while speaking to transmit your voice, and release it to stop transmission
Menu Button	Short press once	Opens the main menu interface for accessing device settings and features.

Table 2: Buttons

4.2. Power ON the Device

Press and hold the Power button for 1 second. Once the device starts booting, the “KENWOOD” Logo screen is displayed. Please wait until the Home Screen appears.

- Boot Logo with scrolling lines, then
- Home Screen

1.Boot logo	
2. Home Screen	

Table 3. LCD Screen During Power-On

Note:

- If the device is powered OFF and a Type-C charger is connected, the device will automatically power ON without pressing the power button.

4.3. Power OFF the Device

Press and hold the power button for 2 seconds to power OFF the device.

1.Shutdown Screen	
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Table 4. LCD screen During Power-OFF

Note:

- If the device is connected to a charger while attempting to shut down, the device will shut down and then boot up instead of remaining powered OFF.
- That is, when the **charger is connected**, the device **cannot remain in a powered-OFF state**.
- If the device is shut down while charging, it will automatically boot up.

4.4. LCD MENU Icon and Description

The device features an LCD interface that allows the user to navigate menus, access device functions, and monitor status information.

This section provides a reference for all menu icons, their functions, and descriptions to help users operate the device efficiently.

4.4.1 Status Icons



Figure 10. LCD UI home screen.

-  **Power Icon**
The black area of the icon changes depending on the remaining battery level.
-  **Wifi connecting icon**
Indicate if your Wifi signal strength is low.
-  **Bluetooth connecting icon**
The Bluetooth icon indicates the Bluetooth status (ON, OFF). The headset icon indicates
-  **Live streaming icon**
Turns on when recording is active. Live stream timer will also start once recording is started. To start live streaming, please refer to the section “How to Start Live streaming” of this document.
-  **Video Recording icon**

Turns on when recording is active. The video timer will also start once recording is started. To start recording, please refer to the section “How to Start Recording” of this document.

-  **PTT Application icon**
Turns on when the PTT application is active.
-  **GPS receiving icon** Turns on when location is ON.

4.4.2 Clock / Notification / Emergency Messages



Figure 11. LCD UI clock position on home screen

The Clock is displayed in the lower half of the screen.



Figure 12. LCD UI notifications position on home screen

If there are notifications from the system, applications, MDM, etc., they will be displayed in text in the lower half of the screen. If a new notification is sent, the new one will be displayed.



Figure 13. LCD UI error messages position on home screen

The lower display also shows when an emergency occurs. This is a placeholder where actual notifications and messages will appear here.

4.5. LCD Settings Menu

The BWC Settings Menu provides a structured interface to configure and customize your body worn camera (BWC) functions. The menu is organized hierarchically, allowing users to navigate from general settings to specific sub-settings and their corresponding options with ease.

Users can access the settings menu by pressing the **Device Menu** button. Navigation through the menu is performed using the **Volume Up** and **Volume Down** buttons. The currently highlighted option is indicated by an **arrow icon**, which serves as a visual guide. Pressing the **Menu** button on a highlighted setting either opens the corresponding sub-settings or selects an option, depending on the context. Please refer to the below table for more information.

SL NO	Operation/Settings	Options	How to Navigate / Select
1	Wi-Fi	On, Off	Device Menu → Basic Settings → Wi-Fi
2	Bluetooth	On, Off	Device Menu → Basic Settings → Bluetooth

3	Scan and select Bluetooth devices	Select	Device Menu → Basic Settings → Select BT Device → Scanning.... → After scanning completes, highlight the desired device select and pair.
4	Connect to already paired Bluetooth devices	Select	Device Menu → Basic Settings → Paired Device → Highlight the desired device and connect
5	Language	English, French	Device Menu → Basic Settings → Language
6	Enable and disable Button press sound	On, Off	Device Menu → Basic Settings → Button Press Sound
7	Enable Electronic image stabilization	On, Off	Device Menu → Camera Settings → EIS Mode
8	Set streaming Frame rate	30,15,10,5	Device Menu → Streaming Settings → Frame Rate
9	Set streaming video format	H264, H265, MJPEG	Device Menu → Streaming Settings → Video Format
10	Set streaming resolution	1920x 1080, 1280x 720, 854x480	Device Menu → Streaming Settings → Resolution
11	Set streaming encryption	None, RTSPS, SRTP	Device Menu → Streaming Settings → Streaming Encryption

SL NO	Operation/Settings	Options	How to Navigate / Select
12	Set recording frame rate	30, 15, 10, 5	Device Menu → Recording Settings → Frame Rate
13	Set recording video format	H264, H265	Device Menu → Recording Settings → Video Format
14	Set Recording resolution	1920x1080, 1280x720, 854x480	Device Menu → Recording Settings → Resolution
15	Pre Recording	On, Off	Device Menu → Recording Settings → Pre Recording
16	Overwrite recordings	On, Off	Device Menu → Recording Settings → Overwrite Recording
17	Push to talk settings	Available, Unavailable	Device Menu → PTT Settings → PTT Function
18	GNSS settings	Available, Unavailable	Device Menu → Positioning Settings → GNSS
19	Available storage space	Informational	Device Menu → View Status → Storage Capacity
20	Firmware informations	Informational	Device Menu → View Status → Firmware Version
21	Wi-Fi IP address	Informational	Device Menu → View Status → WiFi IP Address
22	Tethering IP address	Informational	Device Menu → View Status → Tethering IP Address

23	Ethernet IP address	Informational	Device Menu → View Status → Ethernet IP Address
24	Check Notifications	Informational	Device Menu → View Status → Notification Log
25	Delete Notifications	Request	Reset Menu → Delete Notification Message → Execute → OK → “Completed” Message displayed
SL NO	Operation/Settings	Options	How to Navigate / Select
26	Reset system settings	Request	Reset Menu → Reset Settings → Execute → OK → “Reset Completed” Message displayed
27	Delete all the videos from device	Request	Reset Menu → Erase all video files → Execute → OK → Erasing... → “Erase Completed” Message displayed
28	Exit current menu	Navigation	Scroll to the bottom of the Settings menu → Back.

Table 5. All available LCD settings

4.6. Icons and Notifications

The BWC displays various **icons and notifications on the LCD screen** to provide users with real-time information about the device status, operational modes, and alerts. These visual indicators help users quickly understand the current state of the camera, such as recording status, battery level, connectivity, storage availability, and system notifications. The table below will describe the different icons and when it's displayed on the LCD screen.

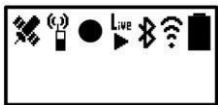
SL NO	Icon / Message	Description	When Displayed
HOME SCREEN			
1		Displays different status icons on the LCD screen.	Device Menu → Basic Settings → Wi-Fi
SL NO	Icon / Message	Description	When Displayed
HOME SCREEN			
2		Displays the current system	Device Menu → Basic Settings → Bluetooth
3		Display notifications on the LCD screen	Device Menu → Basic Settings → Select BT Device → Scanning.... → After scanning completes, highlight the desired device select and pair.

Table 6. LCD Home Screen

SL NO	Icon / Message	Description	When Displayed
ICONS			
1		Indicate the battery levels	As the battery is drained during operation, the level shown in the battery icon decreases accordingly

2		Indicate Wi-Fi signal strength	The number of bars displayed in the icon decreases as the Wi-Fi signal strength becomes weaker
3		Indicates the Bluetooth status of the device.	Displayed when Bluetooth is enabled.
4		Indicates that a wired headset (with or without a microphone) is connected to the device	Displayed when any wired headset (with or without a microphone) is plugged into the device

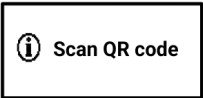
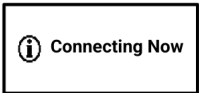
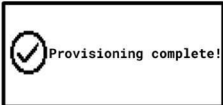
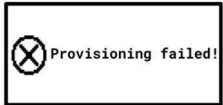
SL NO	Icon / Message	Description	When Displayed
ICONS			
5		Indicates that the device is connected to a power source and charging.	When the device is connected to a charger or docking station.
6		Indicates that the device is not receiving any Wi-Fi signal.	When Wi-Fi is turned on and no network is connected or no Wi-Fi signals are detected.
7		Indicates that the battery charge is low	When the battery level is between 1–20%.
8		Indicates that the device is currently streaming live video to a connected network or server	Displayed when live streaming is active.

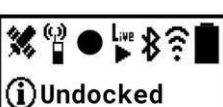
9		Indicates that video recording is in progress.	Displayed when the camera is actively recording video.
10		Indicates that the Push-to-Talk function is active	Displayed when PTT function is activated.
11		Indicates GNSS status and satellite signal availability.	Displayed when GNSS is enabled and satellite signal is detected
12		Indicates that Pre Recording feature is enabled.	Displayed when the Pre Recorder is turned ON and the device is capturing videos.
13		Indicates that an incoming request has been accepted	Displayed briefly when the user accepts a request or connection
SL NO	Icon / Message	Description	When Displayed
ICONS			
13		Indicates that an incoming request has been rejected or denied	Displayed briefly when the user rejects a request or connection
14		Indicates the currently highlighted or selected item in the settings menu.	Displayed next to the menu item that is currently highlighted while navigating using the Volume Up/Down buttons
15		Indicates that an incoming Push-toTalk (PTT) call is being received	Displayed on the LCD screen when the device is receiving an incoming PTT call.

16		Indicates that the device is actively transmitting a Push-to-Talk (PTT) call	Displayed on the LCD screen while the PTT button is pressed and the device is sending audio.
17		Indicates that additional information, tips, or system messages are available for the user.	Displayed when the device needs to show a notification, tip, or informational message on the LCD screen
18		Indicates that a system error or malfunction has occurred and user attention may be required.	Displayed when device detects a system, hardware or operational error
19		Indicates that the device's storage is completely full and cannot store any additional files or recording.	Displayed when the device's storage has reached its maximum capacity and no more data can be saved.

Table 7. LCD Icons

SL NO	Icon / Message	Description	When Displayed
NOTIFICATIONS			

1		Indicates that the device is initializing and loading during startup.	Displayed on the LCD screen when the device is powered on and is in the process of starting up.
2		Indicates that the device is not provisioned and needs to connect to a Wi-Fi in order to proceed further for provisioning.	Displayed on the LCD screen when the device is powered on for the first time.
3		Indicates that the device has successfully read the QR code and now connecting to the Wi-Fi network	Displayed on LCD when the device is connecting to Wi-Fi
4		Indicates that the device has successfully connected to Wi-Fi and the provisioning process has begun.	Displayed on LCD when the device is provisioning.
5		Indicates that the device provisioning is completed.	Displayed on the LCD screen when the device provisioning is completed.
6		Indicates that the device provisioning is failed.	Displayed on the LCD screen when the device provisioning fails.
7		Indicates that the device is in the process of shutting down.	Displayed when the device is powered off or shutting down.

8		Displays the current volume level of the device.	When the Volume Up or Volume Down button is pressed.
9		Indicates that the recording has started successfully.	Displayed when the user starts recording video by pressing the Record button.
10		Displays the elapsed time of the ongoing recording.	Displayed on the LCD home screen while recording is in progress, showing the duration of the recording.
SL NO	Icon / Message	Description	When Displayed
NOTIFICATIONS			
11		Indicates that the recording has been stopped successfully.	Displayed when the user stops recording video by long pressing the Record button.
12		Displays the elapsed time of the ongoing live streaming session.	Displayed on the LCD home screen while live streaming is active.
13		Indicates and confirms the device is properly docked and charging	Displayed on the LCD home screen when the device is securely connected to the charging dock
14		Indicates that the camera has been removed from the charging dock and is running on battery power.	Displayed on the LCD home screen when the device is detached from the charging dock.

15	Scanning...	Indicates that the camera is searching for nearby Bluetooth devices for pairing or setup.	Displayed on the LCD screen when Bluetooth scanning is initiated from settings.
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Table 8. LCD notifications

Disclaimer: Some notifications and settings messages may be too long to fit on the LCD screen. In such cases, the text will automatically scroll to the left after 2 seconds so that the full message can be read.

4.6.1 Navigating between notifications in LCD UI

When multiple notifications are available, they can be viewed one at a time on the LCD.

- The **most recent notification** is displayed first.
- Press the **Power** button to view the next (older) notification, if available.
- Continue pressing the **Power** button to cycle through all available notifications.
- After the last notification is displayed, pressing the **Power** button again returns the LCD to the **normal time display**.
- While navigating through notifications, the **status icons** at the top of the LCD remain unchanged. Only the **notification area** at the bottom of the screen, including the notification message and timestamp, is updated.

Note: Notifications are displayed in **reverse chronological order** (newest first).

Example:

Assume the following sequence of events:

1. The device detects **Wi-Fi Signal is Poor**.
2. Later, the device detects that the **battery is Low**.

In this case:

1. The LCD initially displays the **Battery is Low** notification (the most recent notification).



Figure 1 4. LCD notification -Low Battery

2. Press the **Power** button once to display the earlier **Wi-Fi Signal is Poor** notification.



Figure 15. LCD notification - Wi-Fi is poor

3. Press the **Power** button again to return to the **normal time display** (provided there are no additional notifications).



Figure 16. LCD home screen

This navigation method allows users to review all active notifications in the order they occurred, starting with the most recent, before returning to the normal LCD display.

4.7. LED Indicator



Figure 17. Front View of the Device Showing Both LEDs

The device uses two **LED indicators** one red and one bi-colour to display its current operating status, battery condition, and system activity. Please refer to the table below for detailed information.

DURING OPERATION			
SL NO	LED COLOUR	MODE	FUNCTION
1	● RED	Solid	Recording / Streaming in progress
		Blinking	Device memory low or streaming error
		Off	Device powered off or backup recording in progress
2	● GREEN	Solid	Normal operation with battery level above 50%
	● ORANGE	Solid	Battery level between 10% and 50%
		Blinking	Battery low (Below 10%)

Table 9. LED indication during operation

The device uses two LED indicators one red and one bi-colour to display its current operating status, battery condition, and system activity. Please refer to the table below for detailed information.

WHEN DEVICE IS CONNECTED TO DOCK			
SL NO	LED COLOUR	MODE	FUNCTION
1	● RED	Solid	Waiting for processing to initiate (standby state)
		Blinking	System update or video upload in progress (e.g., OS update)
		Off	System load and video upload completed

2	● GREEN	Solid	Battery fully charged
		Blinking	Charging in progress
	● ORANGE	Blinking	System error detected
		Off	Charging not Started

Table 10. LED Indication when dock



Figure 18. Device connected to dock

4.8. Sound Indicators

The device provides audible cues to indicate its current status and user actions. These sound indications help the user quickly understand the device’s operation without needing to look at the display or LEDs. The following table summarizes the different sounds and their meanings.

SL NO	Event / Operation	Sound Indication	Description
1	Successful Bootup	Bootup Tune	A bootup tune is played to indicate that the device has powered on successfully.
2	Button Press	Single Beep	A single beep sound is heard whenever any button on the device is pressed.
3	Record Button Pressed (Start Recording)	Beep + Start Tune	A short beep followed by a recording start tone is played when the record button is pressed to begin recording.
4	Record Button Long Pressed (Stop Recording)	Beep + Stop Tune	A short beep followed by a recording stop tone is played when the record button is long-pressed (3 seconds) to stop recording.
5	Record Button Pressed (Storage Full)	Beep + Error Tone	A short beep followed by an error tone is played if the record button is pressed when the device storage is full.

Table 11. Sound Indications During Operation

4.9. Charging Instructions

Proper charging ensures that the device operates reliably and maintains battery health. The device can be charged using either the **JVC Kenwood Docking Station** or a **standard 5V USB Type-C charger**.



Figure 19. Bottom view of device

4.9.1 Charging Using JVC Kenwood Docking Station



Figure 20. Multiple Body-Worn Cameras Connected to Docking Station

4.9.2 Charging Using Standard 5V USB Type-C Charger

The body-worn camera can be charged directly using a standard 5V USB Type-C charger. This method is suitable when a docking station is not available and allows convenient charging from a wall outlet or compatible power source.

- Connect a **5 V USB Type-C** charger to the USB Type-C port on the body-worn camera.
- Plug the charger into a standard AC power outlet.
- The **Green charging indicator LED** on the device will begin **blinking**, indicating that charging is in progress.
- Once the battery is fully charged, the **Green LED will turn solid**.
- After charging is complete, unplug the charger from the power outlet and disconnect the USB Type-C cable from the camera.

4.9.3 DOCK station

The **Docking Station** is used to **charge the Body Worn Camera (BWC)** and **upload recorded files to the server** simultaneously. This enables the device to recharge while securely transferring recordings and other data.

The Docking Station supports simultaneous charging and data transfer for up to **eight connected BWCs**, allowing efficient charging and automatic upload of recordings in parallel.

Dock Interfaces

The Docking Station includes the following ports:

- **8 USB Type-C Bays** – The Docking Station provides **eight USB Type-C ports** for connecting Body Worn Cameras (BWCs). A single BWC or up to **eight BWCs simultaneously** can be connected for **battery charging and secure data transfer** to the server.
- **DC Power Jack** – Connect the supplied power adapter to provide power to the Docking Station.
- **RJ45 Ethernet Port** – Connect an Ethernet cable to provide network connectivity. This enables the Docking Station to upload recordings and other device data to the server.
- **DIP Switch** – Used to switch between Fast charging and normal charging.

Protection Features

The Docking Station includes built-in protection mechanisms to prevent charging or data transfer when abnormal conditions are detected.

1. Moisture Detection

2. Temperature Protection

If moisture is detected in the BWC's **USB Type-C connector** or if the temperature of the BWC's **USB Type-C connector** exceeds the safe operating limit, the Docking Station prevents:

- Battery charging
- Data transfer

Fault Indication:

For both **Moisture Detection** and **Temperature Protection**, the Docking Station indicates the fault by **blinking the Yellow LED** until the condition is cleared.

4.9.4 Charging Precautions using DOCK

To ensure safe operation, optimal charging performance, and long battery life, observe the following precautions when charging the device:

- Use only the **supplied docking station** or a **certified 5V USB Type-C charger** to charge the device.
- Ensure that all **charging connectors are clean and free from dust or moisture** before connecting the device.
- Do not charge the device in **extremely hot or cold environments**. Recommended charging temperature ranges are:
 - **Fast Charging Mode (3A / 5V) : 5°C to 25°C**
 - **Normal Charging Mode (1.5A / 5V) : 25°C to 40°C**
- Charging outside the specified temperature range may **reduce battery life** or **affect charging efficiency**.
- Avoid placing the docking station or charger in **direct sunlight** or near **heat sources**.
- During charging, the device may become **slightly warm**, this is normal and does not indicate a malfunction.

When using the docking station, the Type-C USB 3.1 port and guiding pins on the device ensure correct alignment and secure connection for both

charging and data transfer. The following steps describe the correct procedure to charge the device safely and efficiently.

- Place the docking station on a flat, stable surface. Make sure that there is enough area around the docking station for the easy insertion and removal of the devices.
- Connect the docking station to a power source using the supplied DC adapter.
- The docking station supports two charging modes: **Normal Charging Mode** (1.5 A / 5 V) and **Fast Charging Mode** (3 A / 5 V). Select the desired mode using the **DIP switch** located on the bottom of the docking station.
- Insert the body-worn camera into the docking slot, ensuring that the Type-C charging port and guiding pins on the device are properly aligned with the corresponding contacts on the docking station.
- Make sure the device is securely and fully docked to enable proper charging and data transfer.
- The charging indicator LED (Green) on the device will start blinking, indicating that charging has begun.
- When charging is complete, the Green LED will turn solid.
- Once charging is complete, carefully remove the device from the docking station.

D OCK LED INDICATOR			
SL NO	LED COLOUR	MODE	FUNCTION
1	● BLUE	Solid	Normal charging
2	● GREEN	Solid	Fast charging
3	● YELLOW	Solid	Moisture fault

Table 12. Docking Station LED Status IndicationsStation



Figure 21. DOCK Blue LED indicates normal charging



Figure 22. DOCK Green LED indicates Fast charging



Figure 23. DOCK Yellow LED for moisture or temperature fault

- Disconnect the charger or remove the device from the docking station once charging is complete to prevent unnecessary power consumption.
- Use only original accessories provided or approved by JVC Kenwood for optimal performance and safety.
- Charge the device only in dry, well-ventilated indoor environments.
- Do not use the device if the charging cable or connector is damaged. Replace damaged accessories immediately.
- Do not cover the device or docking station during charging, as this may cause overheating.
- Do not attempt to disassemble, modify, or repair the battery or charging components.

4.10. How to Attach the Camera

The camera can be mounted to the body using the Peter Jones Klick Fast connector in device and the Klick Fast shoulder/chest strap.

- Ensure the Klick Fast connector is available on the rear side of the camera.



Figure 24. Click Fast connector behind the device

- Locate the strap connector on the Klick Fast shoulder/chest strap.



Figure 25. Klick Fast shoulder/chest strap connector

- Hold the camera upside down and insert the camera connector into the strap connector until it gets locked.



Figure 26. Connection between strap and connector

- Once locked, rotate the camera into the correct upright position.



Figure 27. Final overview

4.11. Accessing Web UI

The device features a built-in Web User Interface (Web UI) that allows you to manage and configure the device remotely using any standard web browser. However, the Web UI can only be accessed if your device and the computer (or mobile device) you're using are connected to the **same Wi-Fi network.**

- Device IP address can be fetched from the LCD menu. Refer to the below table on how to fetch WiFi IP address:

Icon / Message	When Displayed

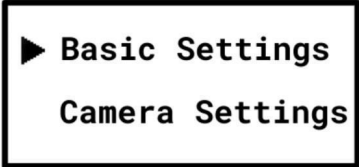
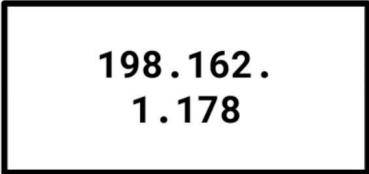
	Press the menu button
	Navigate to “View Status” option Press Volume Up (+) : Navigate Up Press Volume Down (-) : Navigate Down Press “Menu” button to select the “View Status” option
	Navigate to “Tethering IP” option Press “Menu” button to select
	IP address will be displayed on the screen

Table 13. Steps to find Device IP Address

The Body Worn Camera (BWC) provides a secure **HTTPS-based Web User Interface (Web UI)** for device configuration and monitoring.

To access the Web UI:

1. Ensure the BWC and the computer are connected to the same network.

2. Open a supported web browser (Images shown here are **Mozilla Firefox**).
3. In the address bar, enter the following URL:
`https://<BWC_IP_Address>:8080`

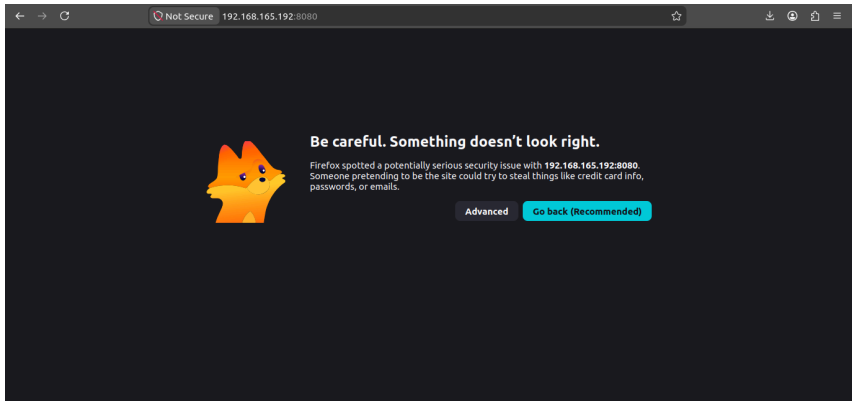


Figure 28. Web UI - not secure

4. The browser may display a security warning. The appearance of this warning may vary depending on the browser.
5. In **Mozilla Firefox**:
 - Click **Advanced**.
 - Scroll down
 - Click **Proceed to <IP Address> (Accept the Risk and Continue)**.

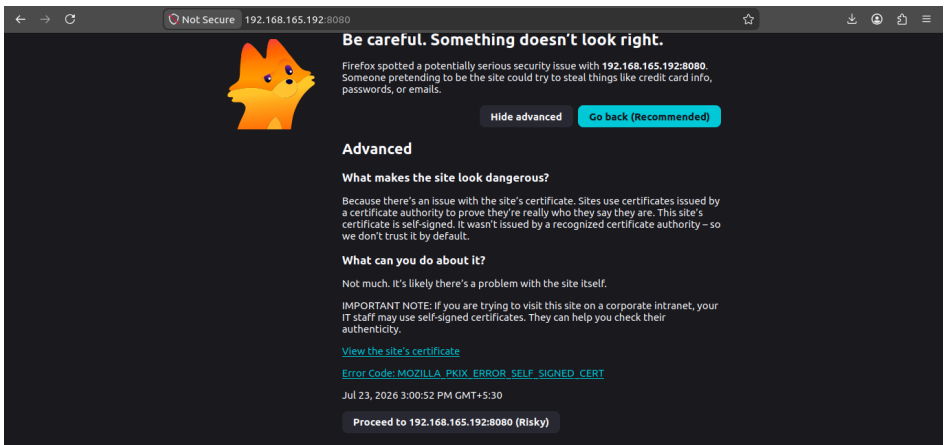


Figure 29. Web UI - proceed to Web UI

6. The **Web UI Login** page will be displayed.

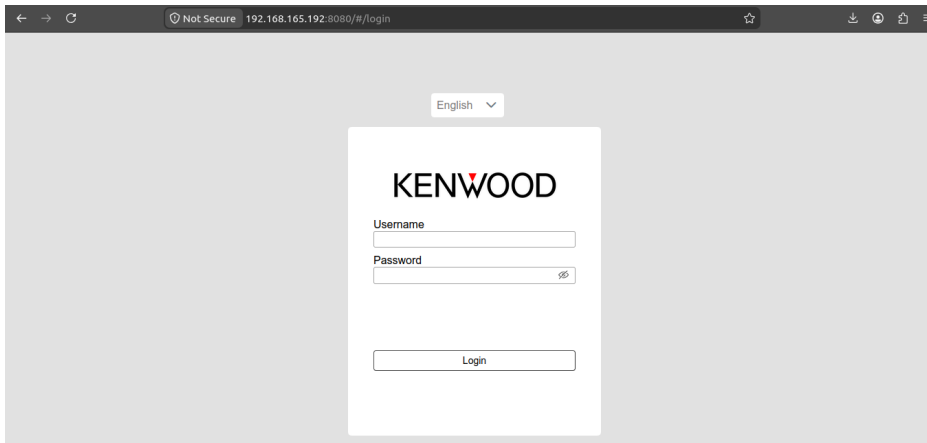


Figure 30. Web UI - Login page

7. Enter your login credentials and click **Login**.

Default credentials:

Username: admin

Password: admin

Note:

- The BWC uses **HTTPS** to provide a secure connection between the device and the browser.
- If the **BWC's IP address changes**, the browser may display the security warning again. In this case, repeat the above verification steps to access the Web UI.
- The appearance of the security warning may differ slightly across web browsers.

4.11.1 Web UI Guide

Once logged in, the Web UI will open, and you'll see a help menu in the top right corner. The help menu is represented by a “?” icon, located to the left of the User Account Menu.



Figure 31. Web UI Camera settings page

To Log out from Web UI:

Click on - User Account Menu (top right corner) - then Logout



Figure 32. Web UI logout option

4.11.2 Connect Device to new WIFI

SL NO	Icon / Message	When Displayed
1		1. Open web browser and type the following URL <code>http://<IP ADDRESS>:8080</code> Example : <code>http://192.168.68.144:8080</code> 2. A log-in page will appear 3. Input user credentials Username : admin Password : admin
SL NO	Icon / Message	When Displayed

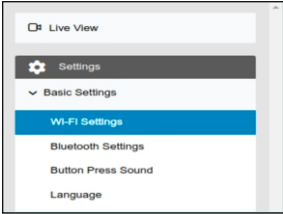
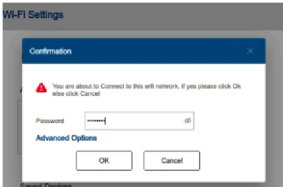
2		4. On the side panel menu, locate “Basic Settings” and click on the sub-menu “WiFi Settings”
3		5. Enable WiFi if disabled
4		6. Select a WiFi from the “Available Devices” list and input password Example : “FibeTV”
5		7. Once the connection is success, you will see the WiFi listed near Enable Wi-Fi icon

Table 14. Steps to connect device to WiFi

4.11.3 How to Start Recording

To start recording, press the Record button on the device.

Once pressed, recording begins and the LCD interface displays the **recording icon** along with the recording timer, as described in the **Icons and Notifications** section.



Figure 34. Front view of device

To stop recording, press and hold the Record button for 3 seconds. The recording will stop, and the recording icon and timer will disappear from the LCD screen.



Figure 35. Recording Icon and timer

Default recording setting:

Recorder default resolution : 1080p

Recorder bitrate : 5000kbps

Increase the maximum bitrate to : 20000kbps

Recorder default FPS: 30fps

Note: These settings can be changed from Web UI or Engineering tool.

4.11.4 How to Start Live streaming

To initiate live streaming, connect the device to a Wi-Fi network, ensure that both the device and the PC are connected to the same network, obtain the device IP address, and access the stream using a RTSP-compatible media player with the URL

rtsp://<device_ip>:8554/bwc_live1080p, You can view the live stream using standard media streaming applications such as:

- **VLC Media Player**
- **FFplay**
- Any other RTSP-compatible media player

The device also provides a **Live Streaming** option within the **Web User Interface (Web UI)**. You may access the live video directly through the Web UI without using an external media player.

Once the Live streaming is started the Live streaming **Icon** as well as the Live streaming timer will be started automatically in the LCD UI as described in the **Icons and Notifications** section.



Figure 36. Live streaming Icon and Timer

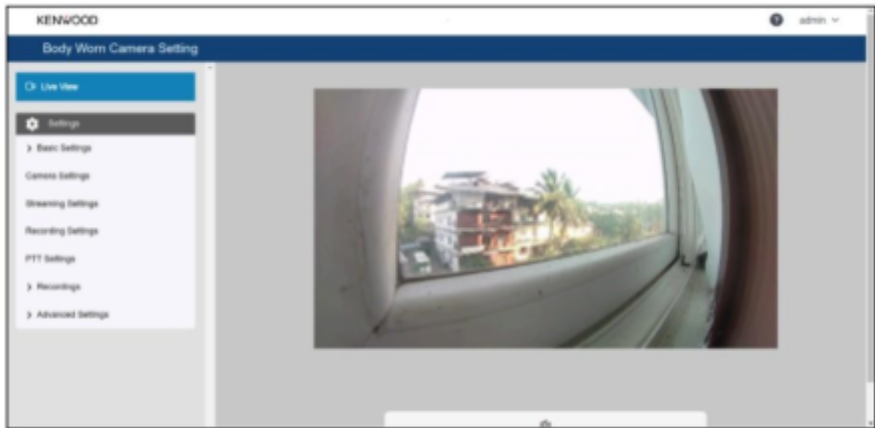


Figure 37. Web UI Live view tab

Default Streaming setting:

Streamer default resolution : 720p

Streamer bitrate : 500kbps

Increase the maximum bitrate to : 20000kbps

Streamer default FPS: 30fps

Note: These settings can be changed from Web UI or Engineering tool.

4.11.5 Overwrite Feature

The device includes an Overwrite feature to ensure continuous recording when storage reaches full capacity.

The Overwrite feature can be enabled or disabled from either of the following:

Using LCD UI: Refer to the LCD Settings Menu Table. 3 sections of this document.

Using Web UI: Navigate to : Recording Settings → Enable Over write.



Figure 38. Web UI recording settings

When the Overwrite feature is enabled, the device will **automatically delete the oldest recorded video files** to free up storage space and **save newly recorded videos without interruption**.

4.11.5 Pre Recording Feature

The **Pre Recording** feature enables the Body Worn Camera (BWC) to capture video **30 seconds or 60 seconds before** the **Record** button is pressed. This feature is useful when an incident occurs unexpectedly and the user starts recording after the event has already begun, ensuring that the moments leading up to the recording are also captured.

The Pre Recording feature can be enabled or disabled through both the **Web UI** and the **LCD UI** under **Recording Settings**.

- **Web UI:** Select the pre recording duration as **30 seconds** or **60 seconds**.

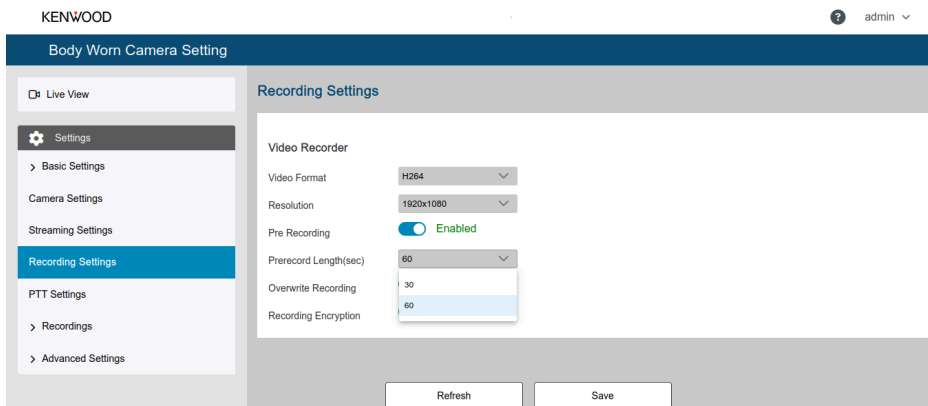


Figure 39. Web UI pre recording settings

- **LCD UI:** Enable or disable the Pre Recording feature.

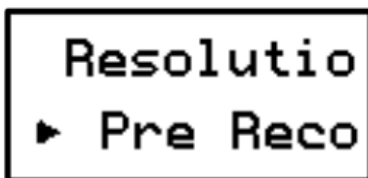


Figure 40. LCD UI Pre recording settings

When the feature is enabled, a **Pre Recording** icon is displayed on the LCD screen to indicate that the device is continuously buffering video for pre recording.



Figure 41. Pre recoding icon on LCD UI

4.11.6 Using Push To Talk (PTT)



Figure 42. PTT Button

The Body Worn Camera supports Push-to-Talk (PTT) communication for one-way voice transmission at a time.

- To speak, press and hold the PTT button, then start talking.
- Release the PTT button once you finish speaking.
- Only one device can transmit audio at a time.
 - The other user can speak only after the current speaker releases the PTT button and then presses the PTT button on their device.
- During an active PTT call, the LCD screen on other devices displays the Device ID of the device that is currently transmitting audio.



Figure 43. PTT Call

Listening to PTT Audio

- When another device is transmitting:
 - The receiving device automatically plays incoming audio
- Ensure:
 - Volume is turned up using Volume buttons
 - Speaker or headset is connected
- Visual indication:
 - PTT receiving icon appears on LCD
- User action:
 - No button press required to listen
 - Wait until current speaker releases PTT

PTT Setting in Web UI

- Navigate to **PTT settings** in Web UI to view PTT details such as:

App ID

App Name

App Version

Enable / Disable PTT APP

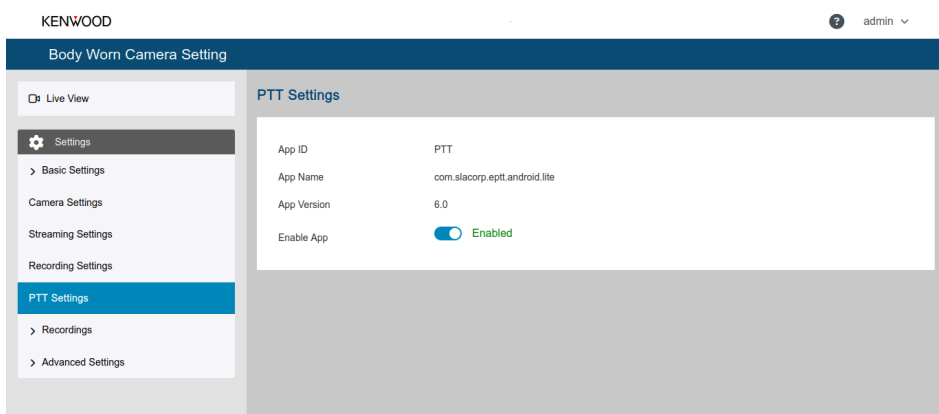


Figure 44. PTT Settings

4.12. Wi-Fi Settings

The **Wi-Fi Settings** page allows you to enable or disable Wi-Fi, connect the Body Worn Camera (BWC) to a wireless network, and configure network settings.

To access the Wi-Fi settings:

1. Log in to the **Web UI**.
2. Navigate to **Basic Settings > Wi-Fi Settings**.

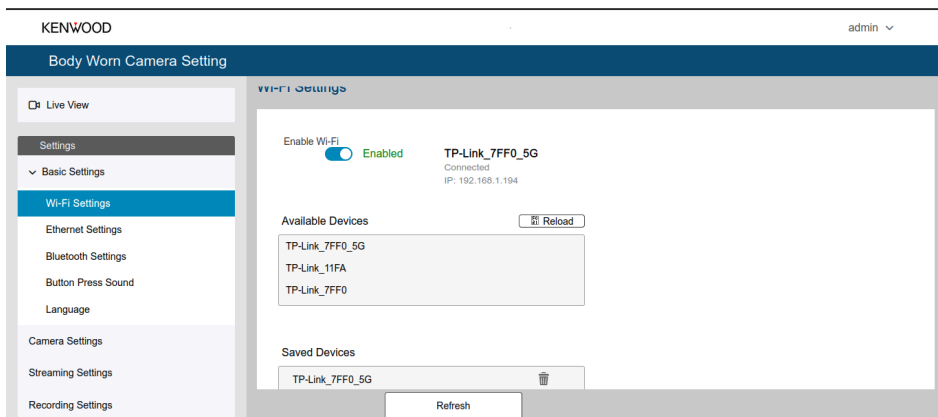


Figure 45. Web UI - Wi-Fi settings

The following options are available:

Enable Wi-Fi

Use the **Enable Wi-Fi** toggle switch to turn the Wi-Fi functionality **ON** or **OFF**.

When Wi-Fi is enabled, the currently connected network (SSID) and the assigned IP address are displayed.

Available Devices

The **Available Devices** section lists all nearby Wi-Fi networks detected by the BWC.

- Click **Reload** to refresh the list of available Wi-Fi networks.
- Select the desired network (SSID) to connect.

Saved Devices

The **Saved Devices** section displays Wi-Fi networks that have been previously configured on the BWC.

- Selecting a saved network reconnects the device using the stored credentials.
- Click the **Delete** icon to remove a saved network from the device.

Connecting to a Wi-Fi Network

1. Select the required Wi-Fi network from the **Available Devices** list.
2. Enter the **Wi-Fi Password**.
3. Click **OK** to connect, or **Cancel** to exit without saving.

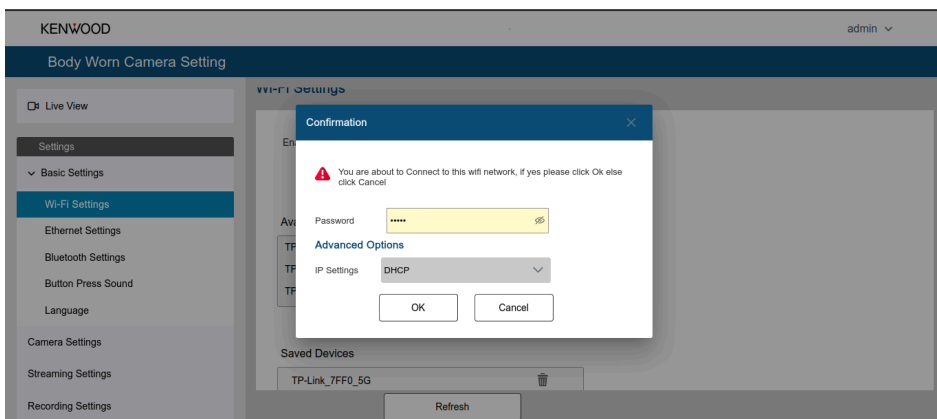


Figure 46. Web UI - Advances Wi-Fi settings

Advanced Network Configuration

If a static IP configuration is required, expand **Advanced Options**.

The following network parameters can be configured:

- **IP Settings**
 - **DHCP** – Automatically obtains network settings from the router.
 - **STATIC** – Allows manual network configuration.

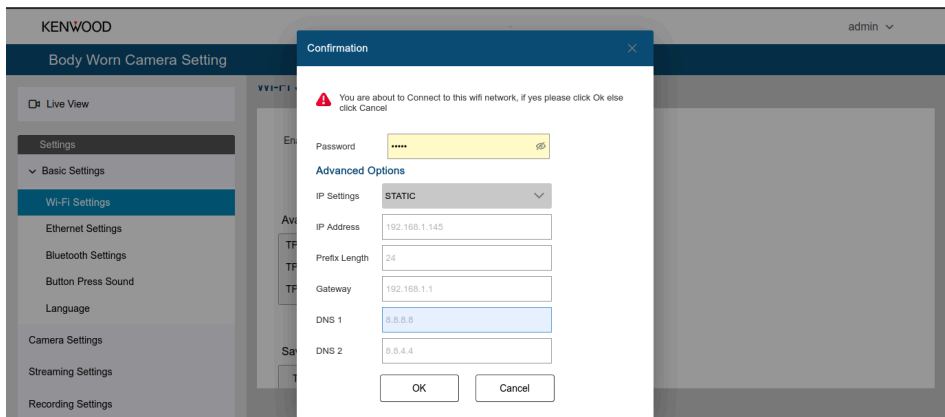


Figure 47. Web UI - Setting static Wi-Fi IP

When **STATIC** is selected, configure the following fields:

- **IP Address**
- **Prefix Length**
- **Gateway**
- **DNS 1**
- **DNS 2**

After entering the required information, click **OK** to save the settings and connect to the selected Wi-Fi network.

Note:

- The BWC must be within the coverage area of the selected Wi-Fi network.
- Ensure that the correct Wi-Fi password and network configuration are entered. Incorrect credentials or IP settings may prevent the BWC from connecting to the network.

4.13. GNSS History

The GNSS History feature allows users to view the recorded GNSS location data through the Web UI.

To access the GNSS History:

- 1. Log in to the Web UI.
- 2. Navigate to Advanced Settings > GPS Settings.
- 3. Use the GPS toggle switch to enable or disable the GNSS feature.
- 4. Once GNSS is enabled and a GPS fix is acquired, the GNSS History section displays the recorded location details, including:
 - **Timestamp**
 - **Latitude**
 - **Longitude**

Note: GNSS history is updated only after the device successfully acquires a valid GPS fix.

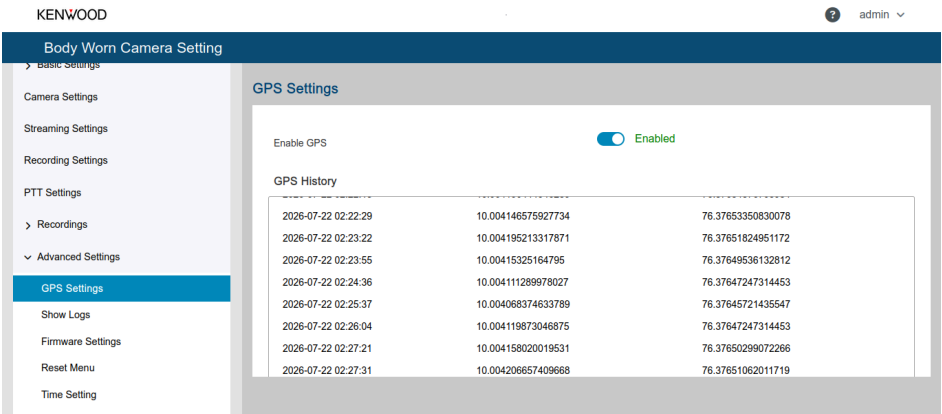


Figure 48. GPS History

4.13. Using Engineering Tool

The **Engineering Tool** is used by service personnel to diagnose and debug issues when the Body Worn Camera (BWC) is received at a service station.

To access the Engineering Tool:

1. Enable **Service Mode** on the BWC by pressing and holding the **Menu** and **Volume Up** buttons simultaneously for **5 seconds**.



Figure 49. LCD Indication for service mode ON

2. Connect the BWC to a PC with the Engineering Tool installed using a **USB Type-C cable**.
3. Launch the Engineering Tool on the PC. The connected BWC will be detected.

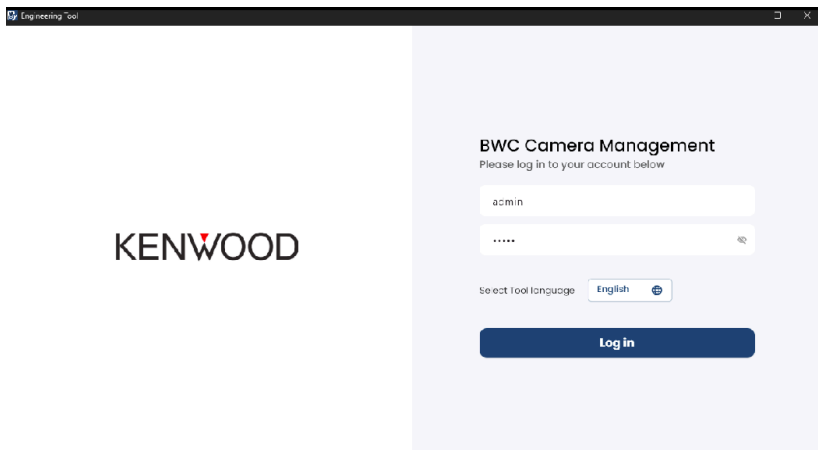


Figure 50. Engineering Tool

4. Credentials to login are:
Username: admin
Password: admin
5. Once logged-in you can see all the information and access all the settings from the engineering tool.

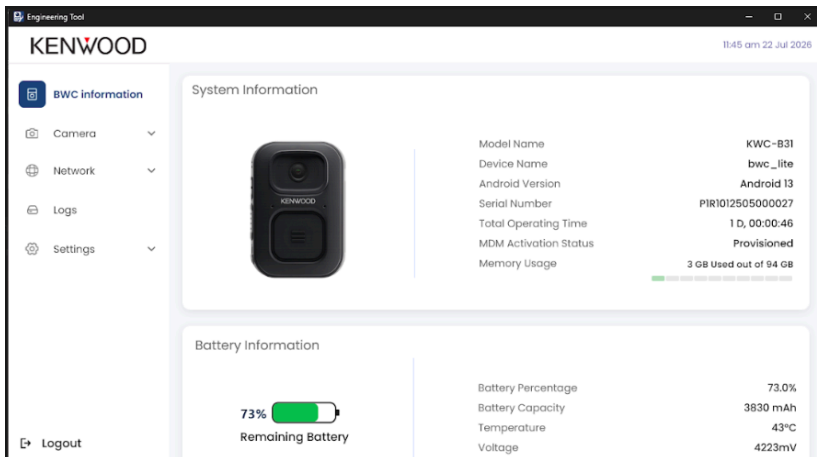


Figure 51. Engineering Tool info

6. After using the Engineering Tool, turn off **Service Mode** by pressing and holding the **Menu** and **Volume Up** buttons simultaneously for **5 seconds**.

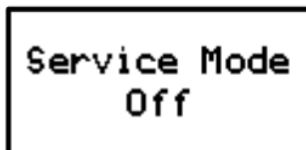


Figure 52. LCD Indication for service mode OFF

5. MAINTENANCE

Proper care and maintenance of your camera device will help ensure it continues to function optimally. Follow these guidelines for cleaning, storing, and protecting your device.

5.1. Regular Cleaning and Maintenance

- Use a soft, lint-free cloth to gently wipe the exterior of the camera. Avoid using abrasive materials that can scratch the surface.
- The device is rated IP54 it is protected against limited dust ingress and splashing water from any direction.
- Do not dip the camera in water or cleaning solution
- For lens cleaning Use a lens cleaning cloth or a microfiber cloth to gently clean the camera lens. If necessary, use a small amount of lens cleaner (make sure it is designed for camera lenses). Avoid using harsh chemicals or sprays directly on the lens.
- To clean the LCD display of the camera, use a damp cloth to wipe the screen, and then dry it with a soft, dry cloth.
- Ensure that the mic and USB type- C port are free of debris

5.2. Storage Location and Temperature

- When not in use, store your camera in a cool, dry place away from direct sunlight. Avoid storing it in areas with high humidity or extreme temperatures.
- The recommended storage temperature is 20°C to 45°C for up to 3 months. For storage periods longer than 3 months, the temperature should be maintained at 25°C $\pm$ 2°C, and the storage voltage should be between 3.6 V and 3.9 V.
- Avoid storing the device near strong magnetic fields, corrosive chemicals, or dusty environments.
- If the device will not be used for an extended period, power it off, store it at 15°C-35°C, and perform a supplementary charge to 60-70% every two months to maintain battery health.

- Do not place heavy objects on the device or its accessories during storage.

5.3. Battery Care

- Use the provided charger, Dock or a **compatible charger** to charge the camera. Do not use cheap or uncertified chargers as they may cause battery damage or overheat.
- Once fully charged, unplug the device from the charger.

5.4. Protect from Physical Damage

- Avoid dropping or subjecting the camera to heavy impact.
- Always use the provided mounting clip or harness to mount the camera, and ensure that it is securely and properly mounted before use.

5.5. Firmware and Software Maintenance

- Always keep your camera's **firmware up to date**. New firmware versions often contain bug fixes, security patches, and new features.

5.6. Handling of Docking Station

- Keep the **charging dock** free from dirt or debris, especially around the connectors. Wipe the charging contacts with a soft, dry cloth if they become dirty.
- Make sure the power adapter for the docking station is plugged in securely and that the power cable is not damaged

5.7. Troubleshooting & Regular Maintenance

- Regularly check your camera's functionality by ensuring that it connects to Wi-Fi, motion detection works, and video quality is clear. This will help catch any issues early.
- If the camera starts to behave erratically, perform a **soft reset** or, if needed, a **factory reset** to restore it to default settings.

5.8. Important Warnings

- Do not disassemble, modify, or attempt to repair the device yourself. Contact authorized service personnel for any servicing.
- The device contains a built-in rechargeable lithium battery, which is not user-accessible or replaceable.
- Avoid covering or blocking the camera lens, microphone, or speaker while operating.
- Use the camera only within the specified temperature range: -10°C to $+40^{\circ}\text{C}$.

6. SOFTWARE UPDATE

The firmware can be updated by uploading an OTA package to the BWC device. The device features a web-based user interface accessible through a web browser, allowing users to upload the OTA package directly. USB Tethering is automatically enabled when the BWC is connected to a PC/Laptop.

BWC will give DHCP IP to the PC and the PC will show this as an ethernet connection.

For firmware upgrade, please follow below steps

- Login to Web UI
- Go to Advanced Settings → Firmware Information
- Click on Browse and select the file for upgrading
- Click on Upgrade



Figure 53. Web UI update initiated window

- LCD UI and Web UI will show the progress



Figure 54. LCD UI update in progress notification

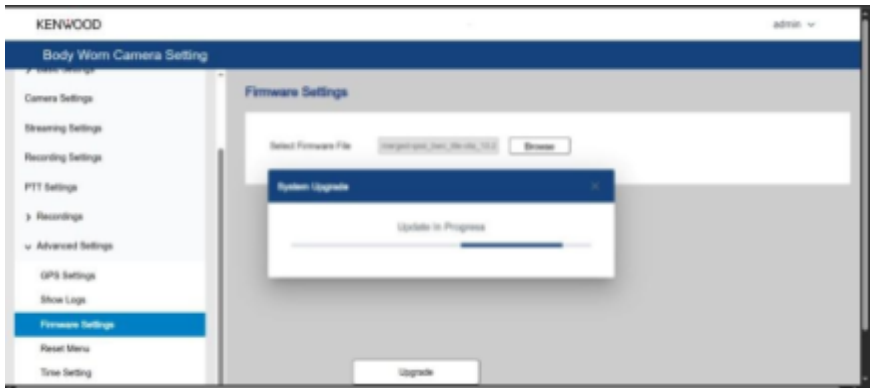


Figure 55. Web UI update initiated window

- When upgrading is finished, BWC will restart.



Figure 56. Web UI reboot window

- Once the device is booted up after a successful FW upgrade, the FW version can be verified using Web UI or from LCD UI.

1. From Web UI

Login to Web UI

Navigate to Advanced settings > About

The FW version will be mentioned as Device Fingerprint

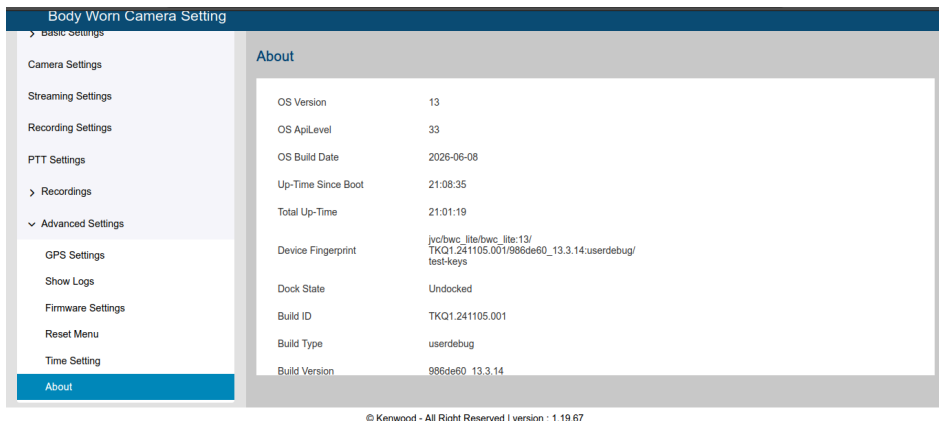


Figure 57. Web UI About page

2. From LCD UI

Press menu button

Navigate to View Status > Firmware Version

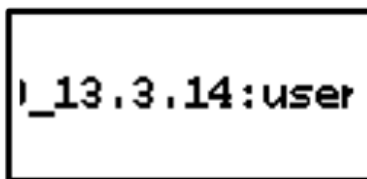


Figure 58. FW version in LCD UI

7. FAQ AND BASIC TROUBLESHOOTING

This section provides answers to the most commonly asked questions about the camera device and offers simple solutions for minor issues. Users can refer to this guide for quick assistance without needing technical support. It covers topics like Wi-Fi and Bluetooth setup, motion detection, battery charging, storage management, and firmware updates

Behaviour	What it means	What to do
Prohibit Use state		
Prohibit Use	The camera is in a state where some malfunctions occurred and is in a not usable state.	Enable service mode and then connect the device to the Engineering tool. Once connected the Probit use state will be turned OFF. ()

Behaviour	What it means	What to do
Power / Battery		
Camera won't power on	The camera is not turning on, possibly due to low battery or a power issue.	Ensure the battery is charged or dock the camera for charging. If the issue persists, check the power button or reset the device.

Behaviour	What it means	What to do
Charging dock not detecting camera	Yellow LED glow on DOCK status led, means Moisture content detected in Type C port	Clean the Type C port, and ensure no moisture is present on the type c port of both camera and Dock
Charging dock not detecting camera	Dirty or misaligned pogo pins	Clean contacts with dry cloth, Ensure correct dock orientation and check power adapter output.

Recording / Storage		
Recording stops automatically	Memory full or file corruption	Check available storage in settings, delete the older videos from storage
Video recording lagging or freezing	Slow or fragmented storage	Format internal memory; avoid frequent power-offs during recording.
Unable to play recorded video	Unsupported video format on PC	Install official playback software or codec pack; export files using the provided BWC manager
Blurry or unclear image	Lens is dirty, fogged, or scratched	Clean lens with microfiber cloth; avoid touching with fingers.
Audio		
No audio in playback	MIC covered or muted	Check mic hole for blockage; verify MIC is enabled in settings; test with known good audio clip.
Distorted or noisy audio	Wind noise or high gain setting	Enable noise reduction; adjust mic gain; use windscreen cover.
Connectivity		
Wi-Fi not connecting	The camera is not connecting to the network.	Check the Wi-Fi credentials, ensure the camera is within range of the router, or restart both the camera and router
Behaviour	What it means	What to do

Bluetooth not pairing	The camera cannot connect to a Bluetooth device.	Delete pairing history and re-pair; make sure Bluetooth is enabled on both the camera and the device you are pairing. Ensure both devices are close and try again.
USB not detected on PC while copying	Faulty cable or driver issue	Try another cable/port; reinstall driver or use Type-C data cable (not charging-only).
System / Software		
Device frozen or unresponsive	Firmware crash	Force reboot; if issue repeats, update firmware.
Firmware update not working	The firmware update has failed or is not applying.	Ensure the camera is connected to a stable Wi-Fi network. Restart the camera and retry Firmware update not working The firmware update has failed or is not applying. Ensure the camera is connected to a stable Wi-Fi network. Restart the camera and retry the update. If the issue persists, reset the camera and try again. The update. If the issue persists, reset the camera and try again.
Incorrect date/ time stamp	Date and time not set properly	Set date/time manually or sync via PC software.
Miscellaneous		

Red LED blinking continuously	Low battery warning or recording error	Check battery level; reconnect to dock; restart device.
-------------------------------	--	---

Table 15. FAQ and trouble shooting

8. LITE RETAIL PACKAGING BOX

LITE retail Box :

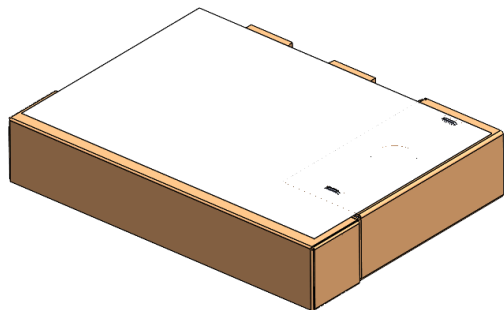


Figure 59. LITE Individual packaging with User Manual

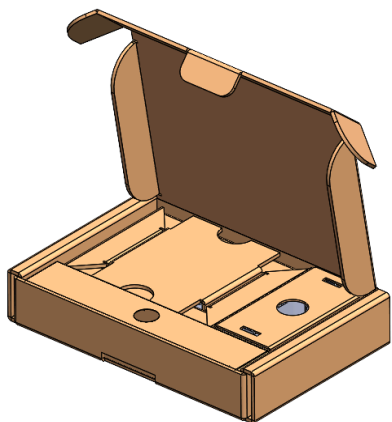


Figure 60.LITE box opening

Note: The final packaging should include the user manual. The above image is shown without the user manual for reference to demonstrate the individual packaging layout.

LITE retail Box contains :

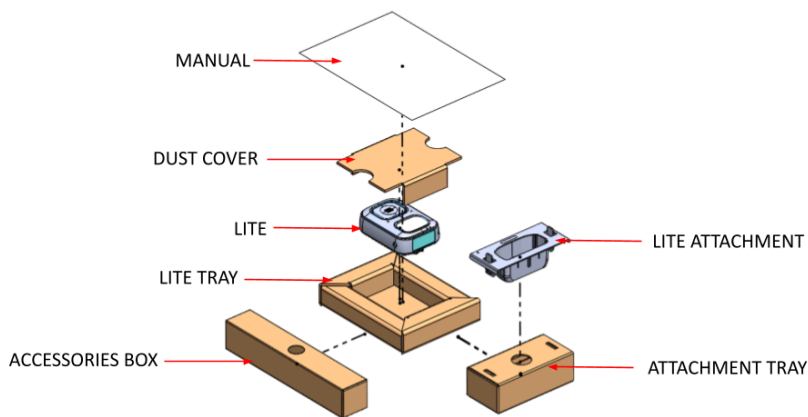


Figure 61.Contents of LITE retail box

9. DOCK RETAIL PACKAGING BOX

DOCK retail Box :

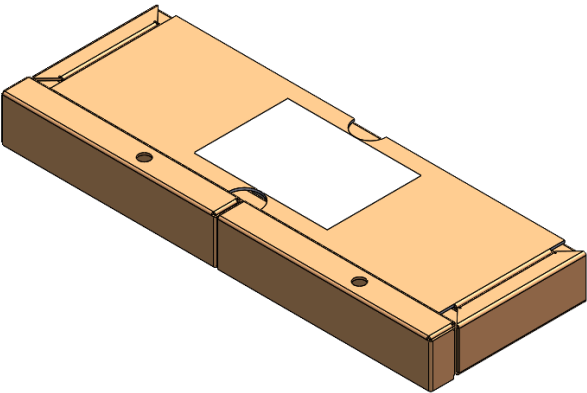


Figure 62. DOCK Individual packaging with User Manual

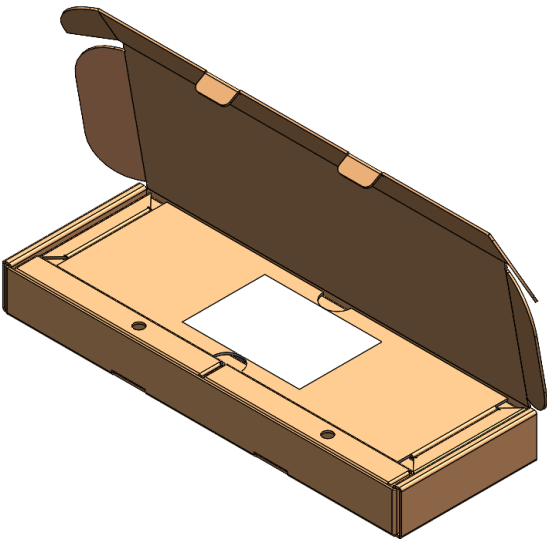


Figure 63.DOCK box opening

Note: The final packaging should include the user manual. The above image is shown without the user manual for reference to demonstrate the individual packaging layout.

DOCK retail Box contains :

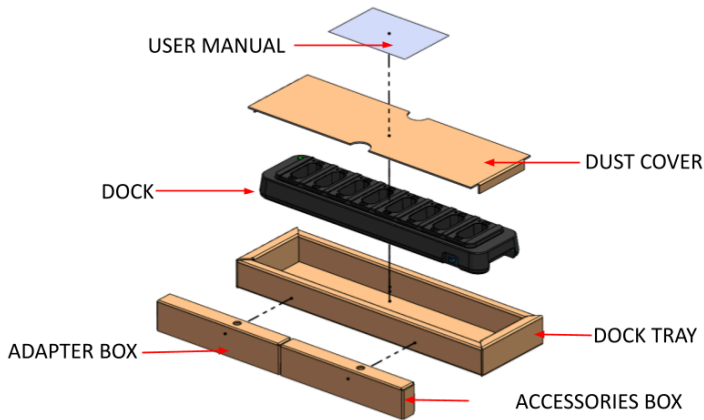


Figure 64.Contents of DOCK retail box

CERTIFICATION FCC/IC WARNING FOR LITE

Federal Communication Commission Interference Statement

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 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.

FCC Caution: To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example - use only shielded interface cables when connecting to computer or peripheral devices).

RF Exposure Information (SAR):

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for

exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is W/kg.

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.

Industry Canada Statement

This device complies with Industry Canada licence-exempt RSS standard.

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.

IC RF Exposure Information (SAR):

This device meets the government's requirements for exposure to radio waves. This device is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Federal Communications Commission of the U.S. Government.

The exposure standard for wireless devices employing a unit of measurement is known as the Specific Absorption Rate, or SAR. The SAR limit set by the IC is W/kg.

Cet appareil est conforme aux exigences du gouvernement en matière d'exposition aux ondes radio.

Cet appareil est conçu et fabriqué de manière à ne pas dépasser les limites d'émission pour l'exposition à l'énergie de radiofréquence (RF) établies par la Federal Communications Commission (FCC) du gouvernement des États-Unis. La norme d'exposition pour les appareils sans fil utilise une unité de mesure appelée débit d'absorption spécifique, ou SAR. La limite SAR établie par la IC est de W/kg.
