



LIVE ●

# ST20

Body Camera

[User Manual](#)





# Index

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<b>1. How to Use</b> .....	<b>4P</b>	<b>6. Audio Recording</b> .....	<b>10P</b>
1-1. Package Contents		6-1. Standard Audio Recording	
1-2. Button Layout			
<b>2. Getting Started</b> .....	<b>5P ~ 6P</b>	<b>7. Photo Capture</b> .....	<b>10P</b>
2-1. Charging		7-1. Normal Capture	
2-2. Memory Card / SIM Installation		7-2. Close-up Capture	
2-3. Power ON / OFF			
2-4. Screen Sleep Mode		<b>8. Calling</b> .....	<b>11P</b>
<b>3. Account Settings</b> .....	<b>7P</b>	<b>9. Messages</b> .....	<b>11P</b>
3-1. General Settings		<b>10. Stored Files</b> .....	<b>11P</b>
3-2. RTSP Settings		10-1. Viewing Stored Files	
<b>4. RTSP</b> .....	<b>7P ~ 8P</b>	<b>11. Camera Settings</b> .....	<b>12P</b>
4-1. RTSP Streaming		11-1. General Settings	
4-2. RTSP Streaming View			
<b>5. Video Recording</b> .....	<b>8P ~ 9P</b>	<b>12. System Settings</b> .....	<b>13P</b>
5-1. Normal Recording		12-1. General Settings	
5-2. Recording Screen		<b>13. Specifications</b> .....	<b>14P</b>
5-3. Night Vision (Infrared Mode) Recording		<b>14. Warranty</b> .....	<b>15P</b>

# 1. How to Use

## 1-1. Package Contents



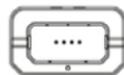
Main Unit



Battery x 2



Power Adapter



Charging Cradle



Charging Cable

## 1-2. Button Layout

- |                                   |                          |
|-----------------------------------|--------------------------|
| 1. USB / SIM / SD Card Slot       | 14. Video Recording      |
| 2. PTT (Push-To-Talk)             | 15. Audio Recording      |
| 3. Emergency Alarm                | 16. Photo Capture        |
| 4. Event Marker                   | 17. Night Vision         |
| 5. Infrared LED (Left)            | 18. Power                |
| 6. Flashlight LED                 | 19. Front Lens           |
| 7. Light Sensor                   | 20. Stored Files         |
| 8. Battery Cover Lock             | 21. Home                 |
| 9. Emergency Warning LED (Left)   | 22. Back                 |
| 10. Emergency Warning LED (Right) | 23. LCD Display          |
| 11. Infrared LED (Right)          | 24. Charging Port        |
| 12. Laser LED                     | 25. Status Indicator LED |
| 13. Close-up Lens                 |                          |



## 2. Getting Started

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### 2-1. Charging

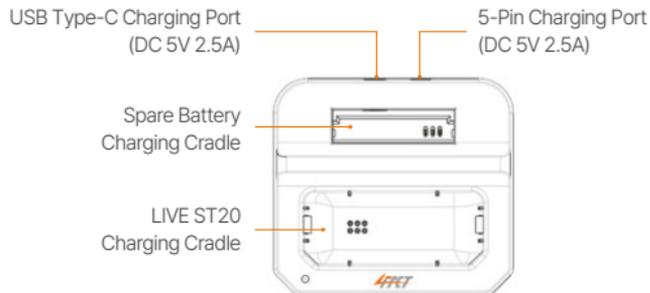
- Connect the included charging cradle to the device to start charging.
- Connect the included charging cradle to the charging cable, then insert the device and battery into the cradle to charge.
  - \*The charging cradle supports charging only and does not support data transfer.
  - \*The charging cradle supports both 5-pin and USB Type-C ports.
  - \*Recording, audio recording, and RTSP streaming are available while charging.
  - \*Use of the included 5V 2.5A power adapter is recommended.
- When connected to a PC, charging and video data transfer can be used simultaneously.
  - \*Please ensure the device is powered on before connecting it to a PC.



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### Battery

- If the device will not be used for an extended period, store the device and battery separately.
- Removing the battery while the device is powered on may cause file corruption or device malfunction.
  - \*The device is equipped with an internal built-in battery, so the device will not power off immediately even if the battery is removed.



## 2. Getting Started

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### 2-2. Memory Card / SIM Installation

- Insert the SD card and SIM card into the slot located on the left side of the device, as shown in the illustration below.

\*Supports microSD cards up to 512GB.

\*Use of microSD cards with a capacity of 64GB or higher is recommended.



### 2-3. Power ON / OFF

For first-time use, please charge the device for at least 3 hours.

- Press and hold Button 18 (Power) while the device is powered off to turn it on.
- Press and hold Button 18 (Power) while the device is powered on to turn it off.

\*When the power is turned on, the status indicator LED lights up green.

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### 2-4. Screen Sleep Mode

- If there is no operation for 1 minute, the screen automatically enters Sleep Mode.
- The screen automatically enters Sleep Mode 1 minute after recording starts.
- While the device is powered on, press Button 18 (Power) briefly to enter Sleep Mode immediately.

\*This setting can be adjusted in the System Settings menu.

## 3. Account Settings

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When using the device for the first time, the Account Setup screen will appear automatically after the power is turned on.

Enter the device ID, user ID, and RTSP information.

After saving, the device will automatically restart after 3 seconds.

\*These settings can be modified in Account Settings from the main screen.

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### 3-1. General Settings

- **Device Name** : User-defined
- **User Name** : User-defined

## 4. RTSP

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### 4-1. RTSP Streaming

- You can start or stop RTSP video streaming from the RTSP Streaming screen.

\*RTSP streaming is available while the device is charging.

\*Video recording and audio recording are available during RTSP streaming.

- Tap the camera switch icon on the right side of the screen to switch between the front and rear cameras.

### 3-2. RTSP Settings

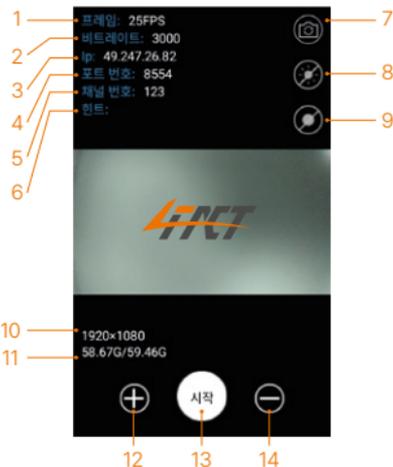
- **Server IP** : Set the server IP address.
- **Port Number** : View the port number.
- **Channel Name** : Set the RTSP channel name.
- **ID** : Set the RTSP user ID.
- **Password** : Set the RTSP user password.
- **Video Resolution** : Set the resolution of the RTSP streaming video.  
\*RTSP streaming supports up to 1080P.
- **Frame Rate** : Set the frame rate of the RTSP streaming video.
- **Bitrate** : Set the bitrate of the RTSP streaming video.

- Tap the flashlight icon on the right side of the screen to turn on the flashlight.
- Tap the laser icon on the right side of the screen to turn on the laser.
- Tap the [+] or [-] button at the bottom of the screen to zoom in or out.

## 4. RTSP

### 4-2. RTSP Streaming View

1. RTSP Frame Rate	8. Flashlight LED
2. RTSP Bitrate	9. Laser LED
3. RTSP IP Address	10. RTSP Resolution
4. Port Number	11. Memory
5. Channel Name	12. Zoom In
6. RTSP Streaming URL	13. Start / Stop Streaming
7. Camera Switch	14. Zoom Out



## 5. Video Recording

### 5-1. Normal Recording

- In standby mode, press Button 14 (Video Recording) to start recording and switch to the recording screen.
- Recording can be started or stopped from the recording screen.
- Press Button 14 (Video Recording) again during recording to stop recording.

\*Recording is not available without an SD card inserted.

\*Recording is available while the device is charging.

\*Photo capture is available during video recording.

\*When recording starts, the status indicator LED lights up red.

\*If the mode is switched to audio recording during video recording, the current video file will be saved automatically.

- Tap the [+] or [-] button at the bottom of the screen to zoom in or out.
- Tap the flashlight icon on the right side of the screen to turn on the flashlight.
- Tap the laser icon on the right side of the screen to turn on the laser.
- Tap the camera switch icon on the right side of the screen to switch between the front and rear cameras.

## 5. Video Recording

### 5-2. Recording Screen

- |                         |                  |
|-------------------------|------------------|
| 1. Camera Switch        | 5. Memory        |
| 2. Flashlight LED       | 6. Zoom In       |
| 3. Laser LED            | 7. Record / Stop |
| 4. Recording Resolution | 8. Zoom Out      |



### 5-3. Night Vision (Infrared Mode) Recording

- Press Button 17 (Night Vision) to switch to Night Vision (Infrared) mode.
- When Night Vision mode is enabled, press Button 17 (Night Vision) again to switch back to Normal mode.

\*When Night Vision is enabled, both the RTSP streaming screen and recorded footage switch to black-and-white.

\*Night Vision can be automatically activated based on ambient brightness via System Settings. (See Section 12: System Settings)

## 6. Audio Recording

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### 6-1. Standard Audio Recording

- While the device is powered on, press Button 15 (Audio Recording) to start recording and switch to the recording screen.
- On the recording screen, tap Record to start or stop audio recording.
- While audio recording is in progress, press Button 15 (Audio Recording) to stop recording.

\*Audio recording is available while charging.

\*Audio recording is not available if no SD card is inserted.

\*When audio recording starts, the status indicator LED lights up yellow.

\*If you switch to video recording during audio recording, the audio file being recorded will be saved automatically.

## 7. Photo Capture

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### 7-1. Normal Capture

- In standby mode, press Button 16 (Photo Capture) to take a photo.

\*Photo capture is not available if no SD card is inserted.

\*Captured photos are saved automatically.

\*Photo capture is available during video recording or audio recording.

### 7-2. Close-up Capture

- A close-up lens is built in, allowing ultra-close-up photos to be taken in Close-up mode using this lens.

## 8. Calling

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Calls can be made and received using the SIM card registered in the device, just like a standard mobile phone.

## 9. Messages

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Text messages can be sent and received using the SIM card registered in the device, just like a standard mobile phone.

## 10. Stored Files

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### 10-1. Viewing Stored Files

- On the Files screen, you can view recorded videos, audio recordings, and photo files.
- While the device is powered on, tap Button 20 (Files) to access video, audio, and photo files.

# 11. Camera Settings

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## 11-1. General Settings

- **Video Resolution** : Set the video recording resolution. (Up to 2560 x 1440)
- **Photo Size** : Set the photo resolution.
- **Frame Rate** : Set the video recording frame rate. (Up to 25 FPS)
- **Video Encoder** : Set the video codec.
- **Recording Length** : Set the segmented recording duration.  
\*You can define the length of each recording segment.
- **Loop Recording** : Enable or configure loop recording.
- **Photo Settings** : Configure continuous shooting settings.
- **Timestamp** : Set the date display on saved files.

## 12. System Settings

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### 12-1. General Settings

- **Wi-Fi Settings** : Configure Wi-Fi.
- **APN Settings** : Configure APN.
- **Data Usage** : View data usage.
- **Bluetooth Settings** : Configure Bluetooth.
- **Sound Settings** : Configure sound.
- **Date Settings** : Set the system date.
- **Language Settings** : Set the display language.
- **Display Settings** : Configure the display.
- **PTT Settings** : Configure the function of the PTT button.  
\*You can select one of the following: RTSP streaming, Flashlight, or Laser.
- **Other Settings** : Configure voice guidance.
- **Night Vision Settings** : Configure Night Vision.
- **Android Settings** : Access Android system settings.
- **Device Information** : View device information.
- **Version Information** : View version details.

## 13. Specifications

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CPU	Qualcomm snapdragon SDM450+PM8953 8core X Cortex-A539
Wi-Fi	2.4 GHz
Network	4 G
Weight	169 g
Size / Dimensions	60 x 100 x 25 mm
Voltage	3.8 V
Charging Time	Approx. 4 hours
Recording Time	Approx. 10 hours
Operating System (OS)	Android 9.0

Bluetooth	4.2
RAM	2 GB
Battery Type	Rechargeable Lithium Polymer Battery
Battery Material	Lithium-ion Polymer
Battery Model (Internal)	501015
Battery Capacity (Internal)	50 mAh
Battery Model (External)	113560
Battery Capacity (External)	3,000 mAh

## 14. Warranty

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The warranty period is 1 year from purchase date. Warranty is based on purchase receipt or purchase record.

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<b>Seller</b>	4FACT Co., Ltd.
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<b>Address</b>	B-1304, 583, Yangcheon-ro, Gangseo-gu, Seoul, Korea
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**LFACT**