RT20

Body Camera

User Manual

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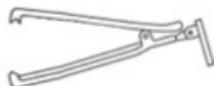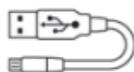# 1. Product Description

Components

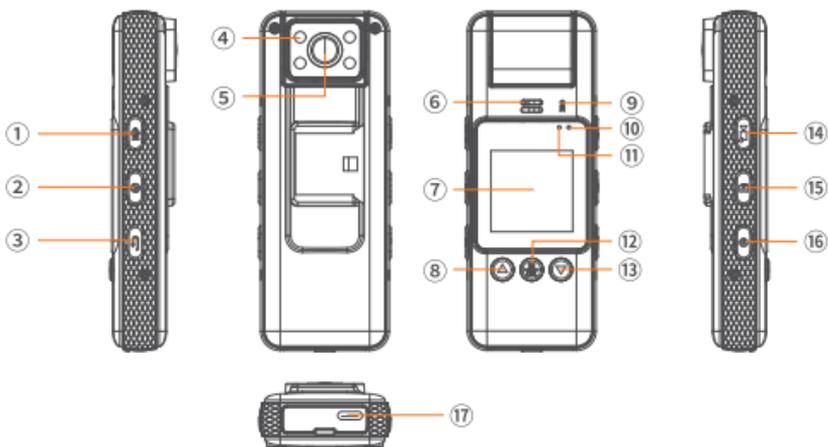

Main unit   Short clip(360° rotation)   Long clip(360° rotation)   Cable

Button Layout

① Microphone
② Playback
③ Back
④ IR LED
⑤ Lens
⑥ Speaker
⑦ LCD Display
⑧ Up / Important Mark
⑨ Reset
⑩ Power LED
⑪ Status LED
⑫ Menu / OK
⑬ Down
⑭ Record
⑮ Photo / IR
⑯ Power
⑰ Charging port

2. Getting Started

Screen Display Information

Remaining memory

Video resolution — 1080P30   14.2G — Remaining battery
Available recording time — 03:05:00   34M — Image resolution

Audio recording icon

User ID — PID:000000   DID:8888888 — Device ID
System date — 01-05-2023   02:03:19 — System time
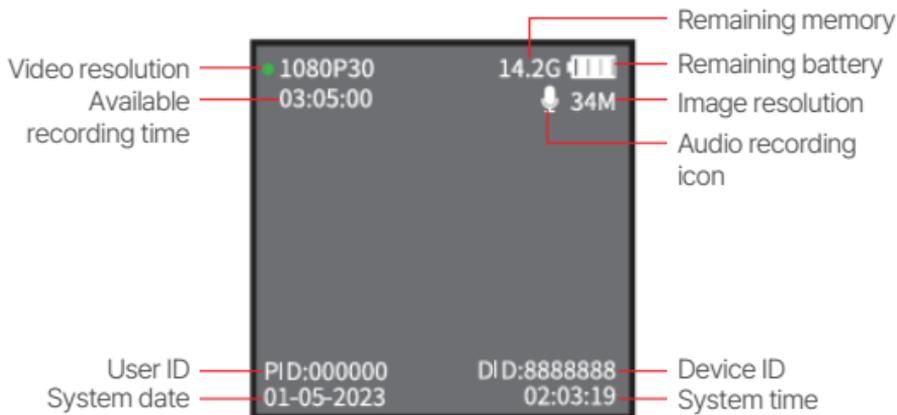
Charging

· **Low Battery Notification**
 · Battery icon turns red.
 · Displays: "Battery low. Please charge."
 · Warning tone sounds.
 · Device powers off automatically after 5 minutes.

· **Charging Method**
 1. Connect the device to a charging adapter or power bank.
 2. Connect the device to a PC to charge.

Power On / Off

· With the power OFF: Press and hold Power to turn on.
· With the power ON: Press and hold Power to turn off.

Screen Sleep Mode

· **Manual** : Short-press Power → screen immediately turns off.
· **Automatic** : After 30 seconds of no operation, the screen sleeps
                       automatically.
· **Exit Sleep** : Press any button to wake the display.

3. Video Recording

Normal Recording

· Short press the recording button while powered on to start recording.
· Press and hold the recording button for 3 seconds with the power off to
  start recording.
· Pressing the recording button briefly during recording will stop recording.

Video Lock (File Protection)

· During recording, a short press of the [Up / Important] button can be used
  to lock the currently recorded video, and another short press of the
  [Up / Important] button can be used to unlock it.
* Recording continues without interruption.
* Locked files are not deleted during loop recording.

Night Vision (IR Mode) Recording

· **Manual Mode** : Long-press Photo/IR to activate. Press again to disable.
· **Auto Mode** : The device automatically activates IR mode based on
  brightness.
* Video recording does not stop when switching IR mode.
* Screen turns black & white when IR is active.

4. Voice Recording

Normal Recording

· Short press the recording button while powered on to take a picture.

5. Snapshot

Photo Capture

· You can take pictures by pressing the Photo/IR button briefly while powered on.
* Photos can be captured during video recording.

6. File Playback

Check saved files

· When the power is on, press the [Playback] button briefly to check the saved videos, recordings, and photos.
* File deletion is not possible on the device itself. To delete a file, you must connect the device to your PC to delete it.

7. Menu

General Settings

· **Recording Resolution** : Set video quality (up to 1296P 30FPS).

· **Photo Size** : Set photo resolution (up to 48M).

· **Burst Shot** : Set number of continuous photos.

· **Post-Recording Time** : Additional seconds recorded after stopping.

· **Compressed Storage** : Sets the compressed storage mode to save storage space

* When activated, the video quality will be lowered.

· **Loop Recording** : Sets up loop recording.

* Overwrites oldest files when storage is full.

· **Split Recording** : Sets the split recording time.

* Automatically saves recorded images in a set time unit.

· **Timestamp** : Sets the date tag.

· **Motion Detection** : Sets motion detection options.

* When activated, recording starts when movement is detected in standby, and when there is no movement for 10 seconds, recording ends.

· **LCD Sleep Time** : Set screen sleep timing.

· **Sleep Mode** : Sets the time to automatically shut down power if there is no operation for a certain period of time.

· **Button Tone** : Turn button sound on/off.

· **Recording Audio** : Enable or disable audio in video recording.

· **System Volume** : Adjust system sound level.

· **Dashcam Mode** : Sets the Dashcam mode option.

· **Device ID** : Set device identifier.

· **User ID** : Set owner's identification.

· **Password Mode** : Protects memory format, reset, and file access

* Default password: 00000000
* Use Up/Down buttons to input password.
* When connected to PC with password enabled, password must be entered before file access.

· **Password Change** : Change the current password.

· **Silent Mode** : Sets the silent mode.

* The button tone and voice guidance are muted, and the indicator lights are turned off.

· **Night Vision** : Configure IR mode settings.

· **Voice Prompts** : Turn voice notifications ON/OFF.

· **Thumbnail Mode** : Sets the thumbnail mode.

* Automatically captures the first frame when recording starts.

· **Language Settings** : Set the system language.

· **Format Memory** : Format the internal memory.

· **Reset Settings** : Restore system settings to factory defaults.

· **Date / Time** : Set system date and time.

· **Version** : Check firmware and software versions.

8. Reset

Reset Button

· Use when the device freezes or stops responding.
· Press the Reset button using a tool (e.g., pin).
· Device will power OFF and perform initialization.
* Do not press with excessive force to avoid damage.

9. LED Indicators

Equipment	Status	Status LED	LED Behavior
Power ON	Standby	Green LED on	-
Power ON	Recording	-	Red LED slow flashing
Power ON	Voice Recording	-	Yellow LED slow flashing
Power ON	Charging	Green LED on	-
Power OFF	Charging	Blue LED on	-

* When charging is complete, the indicator indicating the state of charge is turned off.

10. Specifications

Battery Type	Rechargeable lithium polymer	Voltage	3.7 V
Material	Lithium-ion polymer	Weight	70 g
Recording Time	Approx. 9.5 hrs (1K resolution)	Model	753170
Charging Time	Approx. 3 hrs	Capacity	2,200 mAh
Size	100x38x19 mm		

Warranty

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

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