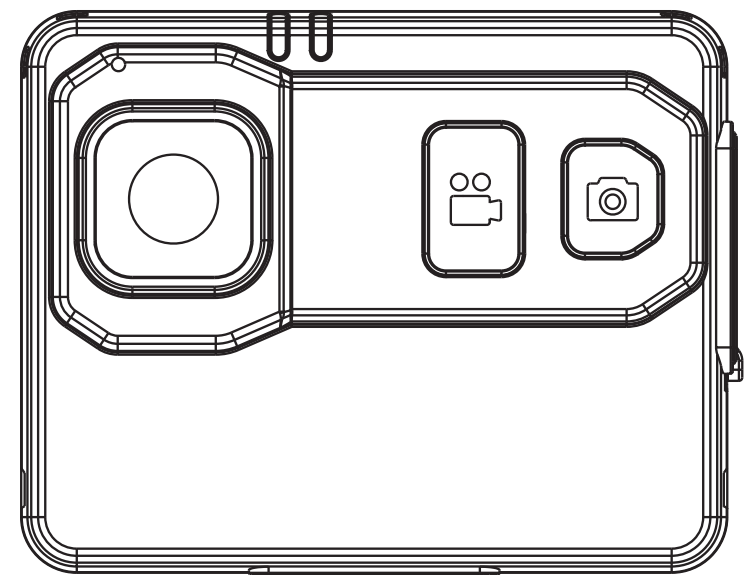
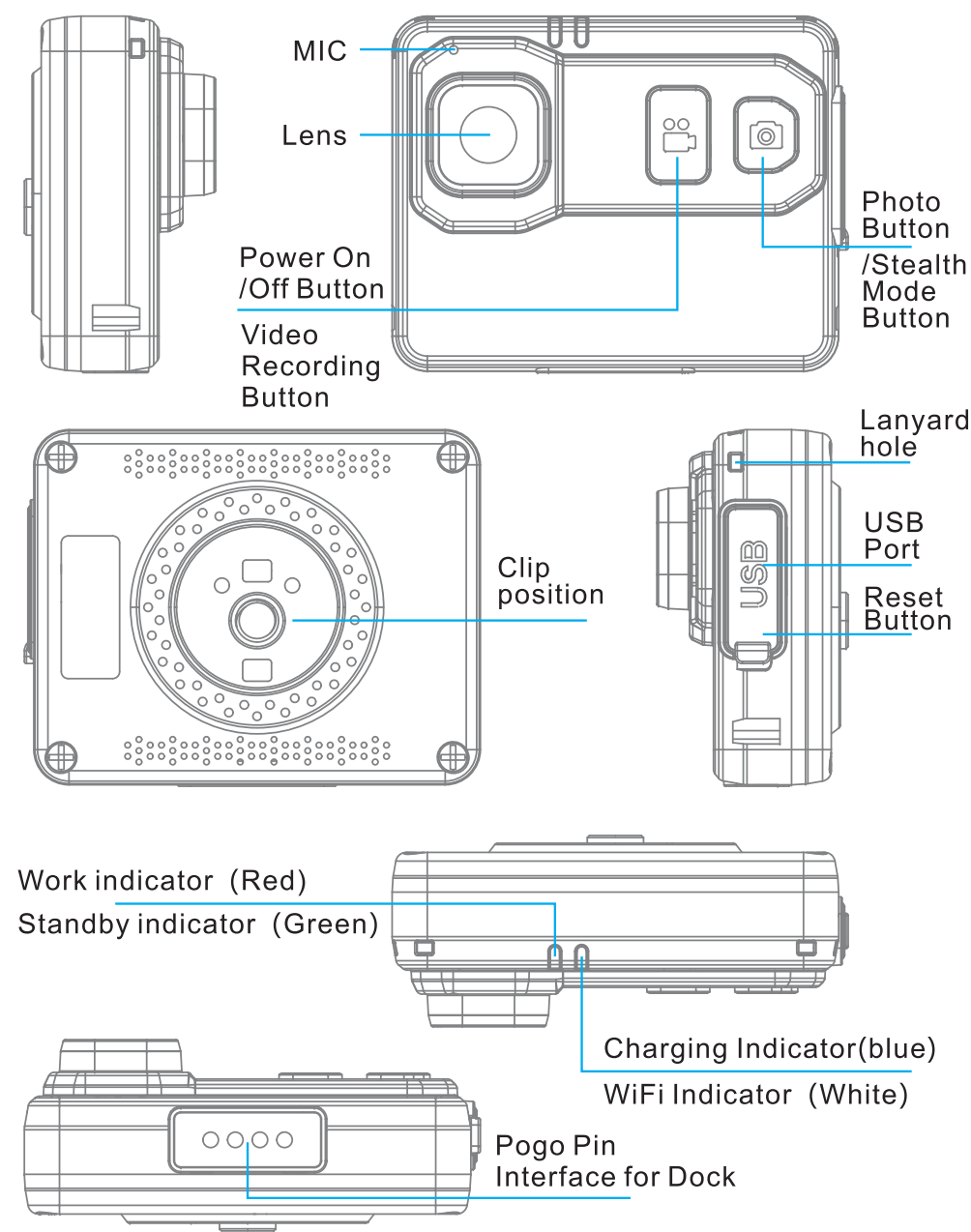




USER MANUAL

Specifications



Detailed parameters

Size/weigth/button	
Size	63.5mm*50.5mm*26.1mm
Weight	80g
Color	Standard black, can paint to different colors
Indicators	
3 color LED indicator for camera status	
3 color LED indicator for battery level	
programmable buzzer	
vibration	
Durability	
Shock Proof	1m
IP Rating	IP65
Video/picture/audio	
View Angle	120 degrees
Coding	H.264/H.265
Video Resolution	1296P30,1080P30,720P30,480P30
Video Streaming Resolution	720P30,480P30,320P30
Video Format	MP4
Picture format	JPEG
Picture Resolution	Up to 45MP
Audio Format	AAC
Snap Shot	During recording
EIS	6 axis image stabilizer(Optional)
Battery	
Recording Time	720P30 Up to 10 hours,1080P30 Up to 8 hours
Standy Time	100+ hours
Charging Time	3 hours

Detailed parameters

Video/picture/audio	
Wi-Fi	2.4G&5G, AP/STA/P2P,Wi-Fi channel can be set by cam manager
Bluetooth	5.0
GPS	N/A
Protocols	RTSP/Onvif
Pre&post recording	
Pre-recording	30 seconds to 2 minute varies from resolution settings
Post-recording	30 seconds to 30 minute varies from resolution settings
Motion Detect	Optional
Hardware Interface	
Pogo Pin connection	support dock & go operation
Mount solution	
Standard mount	360 degrees rotatable crocodile mount
Video Resolution	MOLLE compatilbe mount
	Stud for install Clickfast mounts
	Magnetic Mount
Video Stamp	
Content supported	User ID/Device ID/Date/Time/Logo
Softwares	
Integrated Softwares	DEMS/DEMS PRO/CMSV6
Other	
External Camera	Support
Night Vision	Ultral low light performance
Storage	16GB,32GB,64GB,128GB

Charging

Please charge camera via USB cable and wall charger provided. The battery is Polymer Lithium type. When camera is fully charged, blue charging indicator will turn off.

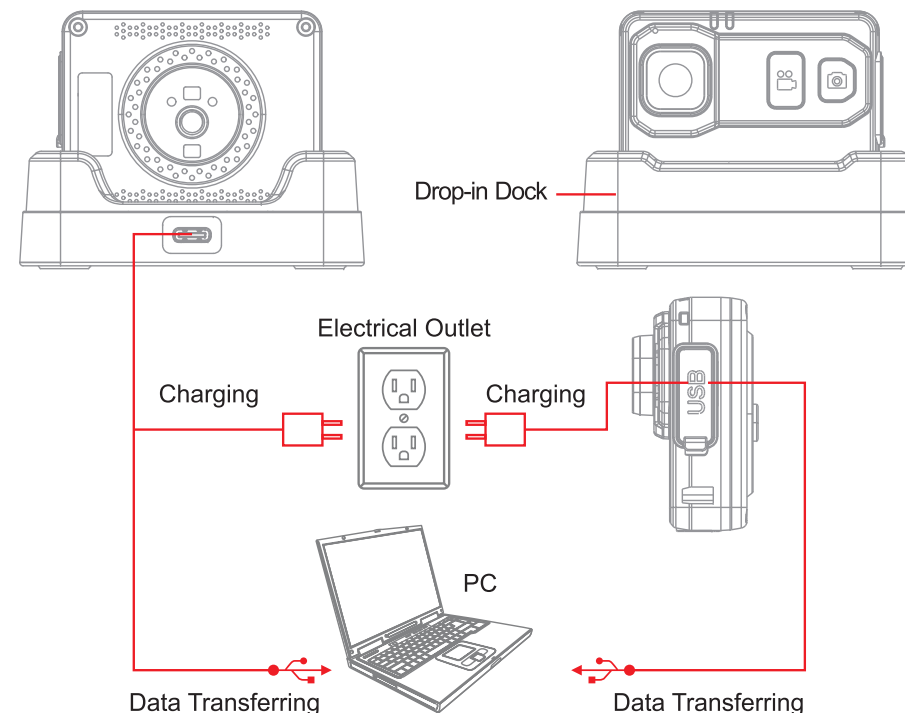
There are 2 ways of charging:

1. Connect camera to computer via USB cable

Since the current of different computer's USB port varies from each other, it is normal if there are circumstances that camera can not be fully charged.

2. Charging by adapter & USB cable

When camera can work normally, while being charged by adapter + USB cable.



Before Use

Basic Operation

1. Power On/Of

Press and hold the Record button for 3 seconds, The unit will give a audio chirp and the green indicator will turn on, indicating that the camera is turned on. Camera will enter into standby mode.

In standby mode, the green indicator stays ON.

To power off, press and hold the Record button for 3 seconds, the unit will give 2 audio chirps and green indicator will turn off, camera will turn off.

2. Video Recording

In standby mode, press the Record button to start recording. The unit will give five audio chirps and the red indicator will turn on, indicating that the camera is now recording.

When camera is recording, press the Record button to stop recording. The unit will give seven audio chips and the red indicator will turn off, the green indicator will turn on. Video as well as audio will be ended and saved. The device will now return to standby mode.

3. Photograph Feature

In standby mode, press the Photo button to take photos. The unit will give three audio chirps and the red indicator will blink once.

4. Taking Picture while Video Recording

To take pictures while video recording, press the Photo button and the camera will take a picture without interrupting the video recording. The unit will give a audio chirp and the red indicator will blink once.

5. One Touch Recording

Set “Power-On Auto Record” with ON via Cam Manager, when the unit is powered off, press and hold the Record button for 3 seconds, the device will turn on and start recording immediately. To stop recording, press the Record button and the video will be ended and saved.

Getting Started

6. Stealth Mode

In standby mode or recording mode, press the Photo button twice, the unit will enter into “Stealth Mode” and all indicators will turn off. To exit “Stealth Mode” mode, press the Photo button again, the device will give two audio chirps.

7. Low Battery and Insufficient Storage

When remaining battery is less than 2%, the unit will give 2 audio chirps every 5 seconds.

When free storage space is less than 5%, the unit will give 2 audio chirps every 5 seconds.

8. PC Software

Use the “Cam Manager” software on your PC, you will be able to check battery left and free space, change camera settings and enter in to file explorer to view files saved in camera.

Troubleshoot

If you are having problems with your camera, please first fully charge it and power it on, then press the reset button with a paper clip. Reset button is below the USB-C port. Pressing the reset button will force the camera to shutoff. Press the power button to turn the device back on and your device should now be working properly. Resetting the device will not delete any files.



Getting Started

Basic Operation:

1. Press and hold the Power button (located on right side of camera) for about 2 seconds. You will hear a chime and the camera will power on. Standby indicator will turn on and be green. Standby indicator will remain green while the device is in standby mode.

2. The device settings, battery life, storage space, and saved media files can be viewed and edited via the Camera Management Software (starting on page 10) or the smartphone app (starting on page 29). The smartphone app will also allow for previewing the camera view before and during recordings.

3. Press and hold the Power button for about 2 seconds to power off the device. You will hear a sound and the camera will turn off. The green indicator light will also turn off.

Transfer & manage files on your computer:

(compatible with Windows XP, Vista, 7, 8 & 10)

1. Drop the camera into the charging station and connect it to your computer via the included USB cable. Or connect USB-C port of camera to PC via included USB cable.

2. Open the Camera Management Software.

3. Enter your password to sign in (instructions on page 11)

Recording

Video Recording:

a. To record a video, press the Recording button (located on the front of the device). The unit will give five audio chirps and the red indicator LED will turn on, indicating that the camera is now recording.

b. Press and hold Recording button for 3 seconds to stop recording. The unit will give seven audio chirps. Red working indicator will turn off, and the video will be ended and saved. The device will now return to standby mode.

One Touch Recording:

When the unit is powered off, press and hold the record button for 3 seconds until you hear an audio chirp. The device will turn on and automatically start video recording.

Power on Auto-Record:

When the unit switch on the “Power on Auto-Record” by the camera Management Software, the device will automatically start recording video when camera is on.

Photograph Feature:

a. To take photos, press the Photo button (located on the front of the device under the Recording button). The camera will give three audio chirps and take a photo similar to a digital camera.

b. To take pictures while video recording, press the Photo button and the camera will take a picture without interrupting the video recording.

Recording

Low Battery & Low Space Warning

When camera battery level is above 50%, battery indication LED will be green;

Battery level is within 2% to 49%, battery indication LED will be orange;

Battery level is less than 2% , battery indication LED will be red; And camera will beep 2 chirps every 5 seconds.

When camera SD card space is less than 10%, camera will beep 2 chips every 20 seconds.

If camera SD card space is less than 400MB, camera will beep 2 chips every 10 seconds, and green LED blink once every 10 seconds.

Other Functions

Battery level, Storage space, access to SD card and other settings could be checked and set via cam manager software. The recorded files could be viewed via FN cam APP.

Camera Management Software

Installing the Camera Management Software allows for viewing and downloading saved photos and videos, changing device settings, and syncing date and time.

Software Requirements

Windows XP (service pack 3)

Windows 7 , 8 , or 10

Hard drive storage for archiving video (1TB recommended)

Camera Management Software

Installing the Camera Management Software (Cam Manager) allows for viewing and downloading saved photos and videos, changing device settings, and syncing date and time.

Software Requirements:

Windows 7, 8, or 10 operation system

Hard drive storage for archiving video (1TB recommended)

Cam Manager Login:

1. Open the “Cam Manager” software on your computer. Connect camera to computer via USB cable. Your camera will power on and get connected to computer.

2. There are 2 user types:

1) General User: This mode allows for viewing and downloading media files only. The default password is: 000000.

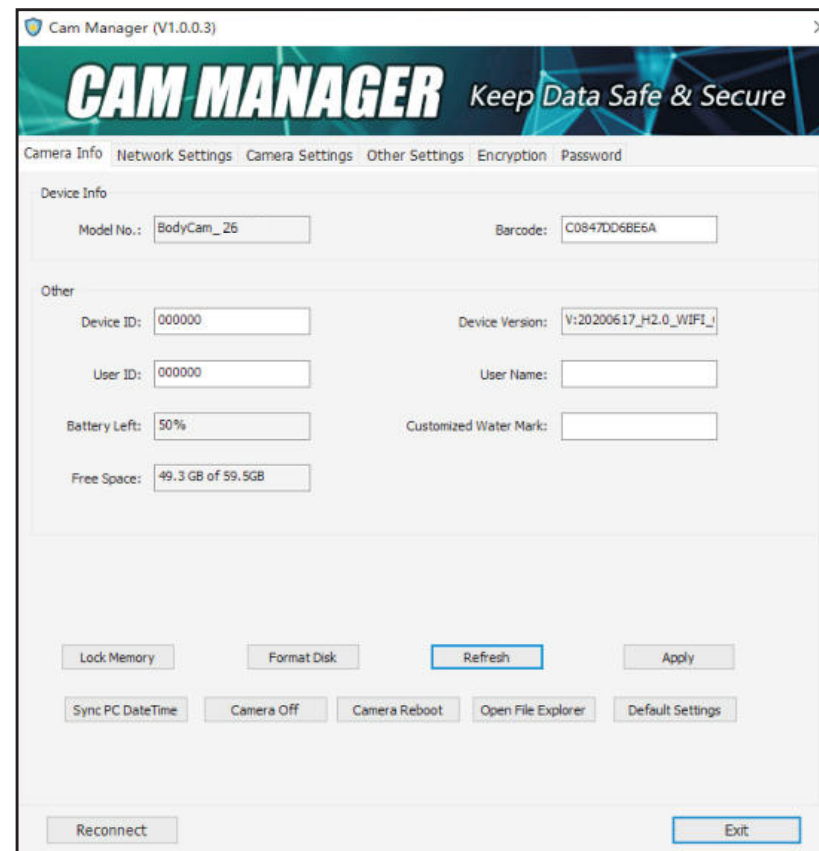
2) Administrator: This mode allows for changing device settings as well as viewing and downloading media files. The default password is: **888888**



Camera Management Software

Camera Info

After login, the Camera Management Software will open on the Camera Info tab.



1. Under “ **Device Info** ”

There are device model Number and bar code;

2. Under “ **Other** ”

There are settings of: Device ID, User ID, Firmware version, Battery Left level, free space and Watermark. Making changes by enter new settings into the white textbox, click “Apply” to save the settings.

Camera Management Software

3. Click “Refresh” button to refresh the battery status;
4. Click “Sync PC Date Time” to sync the camera’s date & time to the computer’s;
5. Click “Open File Explorer” to get access to camera SD card mass storage. User are able to check, copy or delete files;
6. Click “Format Disk” to Format the Camera's Memory Disk, the files will be DELETED immediately, and the disk's space will be released.

Network Settings

Camera Management Software

1. Under “Server Config”, user can change Device Name, Protocol, Server URL, Server IP, Server Port, Account and password. Making changes by enter new settings into the white textbox, click “Apply” to save the settings.

2. WIFI

- A. Click “Link Mode” drop-down list(under “Universal Setting”)

There are three options to select from: **Off / Auto / Manual**

– **Off**: WIFI will not turn on automatically once camera power on.

– **Auto**: WIFI will be turned on automatically once camera is powered on.

– **Manual**: WIFI needs to be turned on/off manually. (Press power button once to turn ON/OFF WiFi. When WiFi is being turned ON, WiFi indicator will be blinking white. When WiFi is ON, WiFi indicator will be solid white)

B. Mode: AP/STA/P2P

– **AP**: User can check the video streaming using WIFI APP.

– **STA**: Camera can get connected to WIFI hotspot and make live video streaming through special software.

– **P2P**: Camera make video streaming and short distance video transfer by using WIFI direct function on smart phone.

C. In AP Setting, user can change WIFI SSID & WIFI Password by inputting new WIFI SSID in the “SSID” textbox and new password in the “Password” textbox, click “Apply” to save the settings.

D. In STA Setting, user can change WIFI SSID & WIFI Password by inputting new WIFI SSID in the “SSID” textbox and new password in the “Password” textbox, click “Apply” to save the settings.

E. In P2P mode, user can check the WIFI Password. To change password, just input new password in the “Pin Code” textbox, click “Apply” to save the settings.

Camera Management Software

Camera Settings

Click the “Camera Settings” tab in the Camera Management Software.



From here you can change device settings. Select the setting you wish to change, and a drop down will appear with all available options. Select the setting you want. Click “Apply” to update settings with the new chosen options.

Main Resolution (Camera Video Resolution)

Click the “Main Resolution” drop down. There are six settings to choose from: **2560x1440 30P / 1920x 1080 60P / 1920x 1080 30P / 1280x 720 60P / 1280x 720 30P / 848x 480 30P**

Camera Management Software

Click the setting you prefer and click “Apply” to save.

Image Quality (Video Image Quality)

Click the “Image Quality” drop down. There are three settings to choose from: **High / Medium / Low**

Click the setting you prefer and click “Apply” to save.

Note: Image Quality refers to the quality of videos.

Streaming Resolution

Click the “Streaming Resolution” drop down. There are three settings to choose from: **1280 x 720 / 848 x 480 / 432 x 240**

Click the setting you prefer and click “Apply” to save.

Streaming Bitrate

Click the “Streaming Bitrate” drop down. There are seven settings to choose from: **5000Kbs / 4000Kbs / 3000Kbs / 2000Kbs / 1000Kbs / 500Kbs / 300Kbs**

Click the setting you prefer and click “Apply” to save.

Streaming Frame Rate

Click the “Streaming Frame Rate” drop down. There are six settings to choose from: **5 FPS / 10 FPS / 15 FPS / 20 FPS / 25 FPS / 30 FPS**

Click the setting you prefer and click “Apply” to save.

Camera Management Software

Mute Recording

Click the “Mute Recording” drop down. There are three settings to choose from: **Off / On / Pre-recorded**

Click the setting you prefer and click “Apply” to save.

Note: Audio won't be recorded when mute recording is on; If Only Pre-record chosen, then only the pre-recorded video will be muted.

Streaming Control

Click the “Streaming Control” drop down, There are six settings to choose from: **OFF / Audio / Video / AV / Text / ALL**

Click the setting you prefer and click “Apply” to save.

Note: AV refers to Audio & Video.

Video Splitter

Click the “Video Splitter” drop down. There are five settings to choose from:

Off: Videos will be in segment of 30 minutes

2 min

5 min

10 min

15 min

Click the setting you prefer and click “Apply” to save.

Note: Video splitter refers to the length of video segments while the device is recording. The minute amount is the length of each video segment before the device begins a new video file. This will NOT stop the device from recording, it will just split your videos into smaller, more manageable files.

Camera Management Software

Recording Notification

Click the “Recording Notification” drop down. There are six settings to choose from: **Off / 5 sec / 10 sec / 15 sec / 30 sec / 60 sec**

Click the setting you prefer and click “Apply” to save.

Note: Recording Notification will give audio chirps at the specified interval as long as the camera is recording. This will not affect the notifications at the start and end of recordings.

Pre Record

Click the “Pre Record” drop down. There are eight setting to choose from: **Off / 5 sec / 10 sec / 15 sec / 20 sec / 30 sec / 60 sec / 120 sec**

Click the setting you prefer and click “Apply” to save.

Note: When checked with a second amount, the camera will record 5-120 seconds of video prior to Video Recording button being pressed.

Post Record

Click the “Post Record” drop down. There are six settings to choose from: **Off / 5 sec / 10 sec / 20 sec / 30 sec / 60 sec**

Click the setting you prefer and click “Apply” to save.

Note: The camera will record extra set length of video after Video Recording button being pressed.

Camera Management Software

Web Server

Click the “Web Server” drop down. There are four settings to choose from: **Off / Http / Https / Http & Https**

Click the setting you prefer and click “Apply” to save.

Note: Files recorded can be browsed via web server when WiFi is turned on.

Photo Size

Click the “Photo Size” drop down. There are six settings to choose from: **40M / 30M / 16M / 12M / 8M / 4M**

Click the setting you prefer and click “Apply” to save.

Timelapse

Click the “Timelapse” drop down. There are six settings to choose from: **Off / 0.5 sec / 1 sec / 3 sec / 5 sec / 10 sec**

Click the setting you prefer and click “Apply” to save.

Note: Press photo button, camera will keep taking photos until you press photo button again. Photos will be taken intermittently with the selected time period.

Photo Quality

Click the “Photo Quality” drop down. There are three settings to choose from: **High / Medium / Low**

Click the setting you prefer and click “Apply” to save.

Camera Management Software

Volume

Click the “Volume” drop down. Select the volume number you prefer and click “Apply” to save. 1 is the lowest speaker volume, and 10 is the largest.

Burst Mode

Click the “Burst Mode” drop down. There are eight settings to choose from: **Off / 2 pictures / 3 pictures / 5 pictures / 10 pictures / 15 pictures / 20 pictures / 30 pictures**

Click the setting you prefer and click “Apply” to save.

Note: Press photo button, the selected quantity of photos will be captured continuously.

Display Brightness

This model does not have LCD screen, please ignore this option.

Selfie Mode

Click the “Selfie” drop down. There are four settings to choose from: **Off / 3 sec / 5 sec / 10 sec**

Click the setting you prefer and click “Apply” to save.

Note: Press photo button, camera will take a photo after the selected time period.

Camera Management Software

File Tagging

Click the “File Tagging” drop down. Click the setting you prefer and click “Apply” to save.

TV Out

Click the “Video Standard” drop down. There are two settings to choose from: **NTSC / PAL**

Click the setting you prefer and click “Apply” to save.

Auto Power Off

Click the “Auto Power Off” drop down. There are seven settings to choose from: **Off / 30 sec / 1 min / 3 min / 5 min / 10 min / 30 min**

Click the setting you prefer and click “Apply” to save.

Note: Auto Power Off will only power off the device when it has been in standby mode for the selected interval. This will NOT power off the device during recording.

Time Zone

Click the “Time Zone” drop down to select the correct time zone, and then GPS will change the date and time accordingly.

Date Format

Click the “Date Format” drop down. There are three settings to choose from: **YYYY-MM-DD / DD-MM-YYYY / MM-DD-YYYY**

Click the setting you prefer and click “Apply” to save.

Camera Management Software

Audio Prompt

This model does not have speaker, please ignore this option.

Encoding Format

Click the “Encoding Format ” drop down. There are two settings to choose from: **H.265 / H.264**

Click the setting you prefer and click “Apply” to save.

Charge State

Click the “Encoding Format” drop down. There are two settings to choose from:

- **Off:** Camera can not be charged while camera is on.
- **Normal State:** Regular charging mode while camera is on.
- **Fast State:** Fast Charging mode while camera is on.

Click the setting you prefer and click “Apply” to save.

Video EIS

Click the “Video EIS” drop down. There are two settings to choose from: **Off / On**

Click the setting you prefer and click “Apply” to save.

Note: When VideoEIS set on, camera video image will be more stabilized.

Camera Management Software

Double Click Record

Click the “Double Click Record” drop down. There are two settings to choose from: **Off / On**

Note: When Double Click Record set On, press the Record button twice quickly (within 0.5 second) to stop video recording instead of holding Record button 3 seconds.

GPS

Click the “GPS” box to turn GPS on or off. When checked, GPS will be turned on. Please make sure GPS module is included in the camera. Turn on camera, when GPS signal is received, device will emit four beep chirps, and then GPS coordinates will be created as watermark of video.

Power-on Auto Record

Click the “Power-on Auto Record” box to get camera to starting recording automatically after powered on.

Clock Prompt

This model does not have speaker, please ignore this option.

Key Tone

This model does not have speaker, please ignore this option.

Auto Update Time

Click the “Vibration” box to turn **on / off** auto update time function.

– – **On:** Once GPS signal is received, the camera date & time will be synchronized to GPS time.

Camera Management Software

– – **Off:** Once camera is connected to Cam Manager, the camera date & time won't be synchronized to PC's.

Vibration Prompt

Click the “Vibration Prompt” box to turn on/off vibration of camera.

Enhanced Standby

Click the “Enhanced Standby” box to turn on enhanced Standby, uncheck to turn off.

Dash Camera Mode

Click the “Dash Camera Mode” box to have the camera automatically power on and start recording when connected to power supply such as a car charger.

Motion Detection

Click the “Motion Detection” box to turn on motion detection, uncheck to turn off.

Note: Once motion detect is set on, press video record button to initiate motion detect, once camera detects the movements, it will start recording, and stop recording until video scene has not changed or moved for over 10 seconds.

Led Indicator

Click the “Led Indicator” box to turn LED indicator lights on or off. When checked, the camera will have LED indication when video is recording or photos are taken, and camera battery is low.

Camera Management Software

Loop Recording

When loop recording is set “On”, it provides a way to let camera keep recording when memory space is full, because the oldest file will be overwritten by the latest file.

Click the “Loop Recording” box to turn on loop recording function.

- – **On:** If memory becomes full, the oldest files will be overwritten by the latest file.
- – **Off:** Camera will stop recording when the memory is full.

Low Space Warning

Click the “Low Space Warning” box to turn on loop recording function.

- – **On:** Camera will make notification when the camera storage space is low.
- – **Off:** Camera won’t make notification when the camera storage space is low.

Stealth Mode

Click the “Stealth Mode” box to turn on stealth mode, uncheck to turn off.

If stealth mode is set on, hold photo button 3 seconds to trigger stealth mode, all the LED indicators, buzzer indication will be disabled, only vibration for indication camera status.

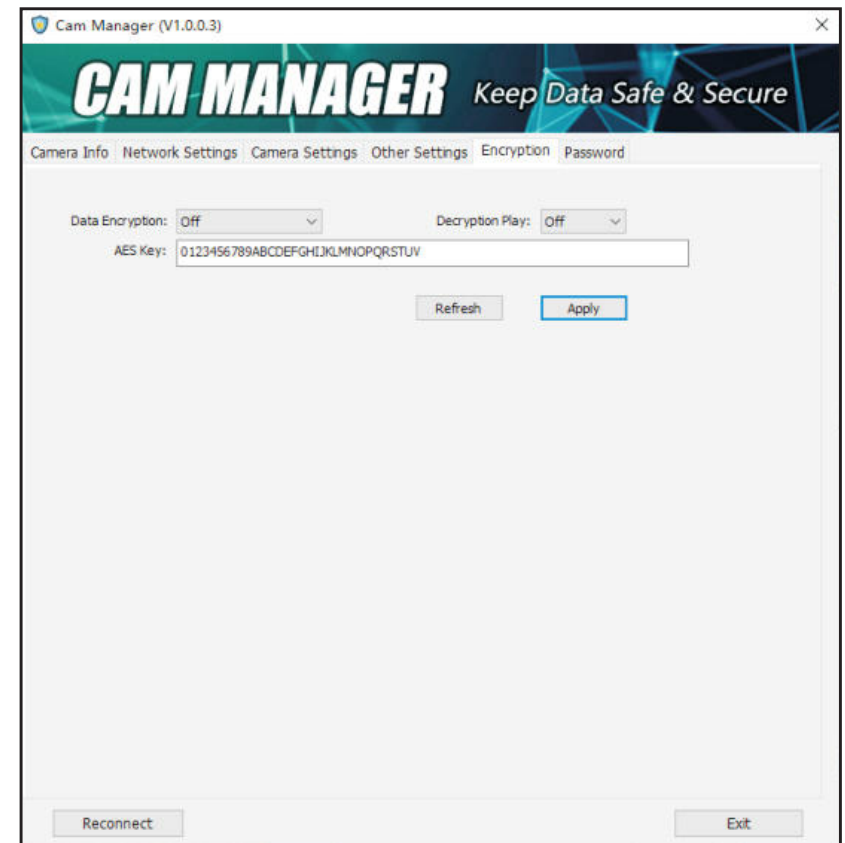
Camera Management Software

Low Battery Warning

Click the “Low Battery Warning” box to turn on loop recording function.

- – **On:** Camera will make notification when the camera battery is low.
- – **Off:** Camera won’t make notification when the camera battery is low.

Encryption



Camera Management Software

1. Click the “AES256 Encryption” tab in camera management software. Click the “Data Encryption” drop down. There are four settings to choose from: **Off / File Encryption / Streaming Encryption / Both**

2. Click the “Decryption Play” drop down. There are two settings to choose from: **Off / On**

Note: When choose on, user are able to display encrypted video in camera playback mode.

3. AES Key

To change AES Key, just input the new AES Key in the text box. The AES Key is consist of letters & numbers.

After changing the settings, click “Apply” to save.

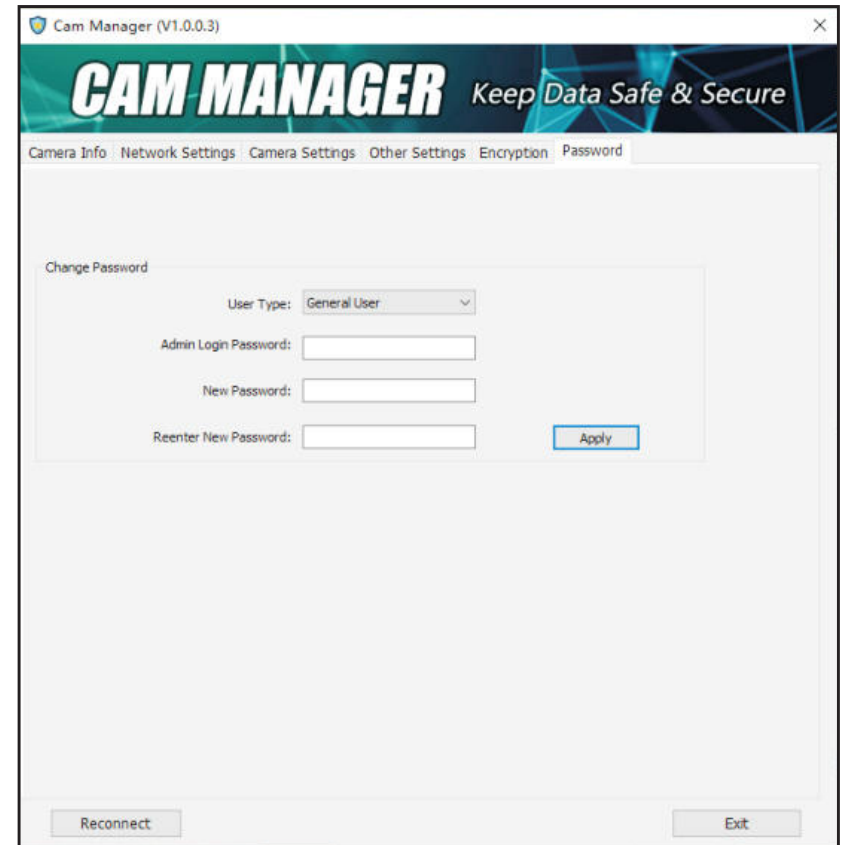
Change Password

Click the “Change Password” tab in the Camera Management Software.

From here you can change device passwords. Select the user type for the password that you wish to change. Enter the admin password, then enter the new password you wish to set for the user type, and confirm the password.

Click “Apply” to save the new password.

Camera Management Software



Note: Passwords can only be changed while logged in with the admin account. The admin password will always be required to make changes to any account passwords.

WiFi APP installation and Use

FN Cam APP Installation

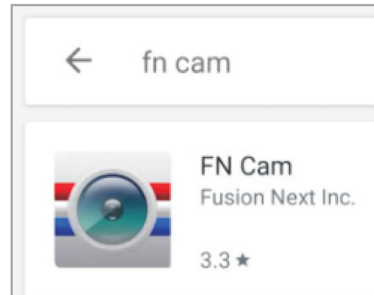
Download FN Cam in the App Store on your mobile device.



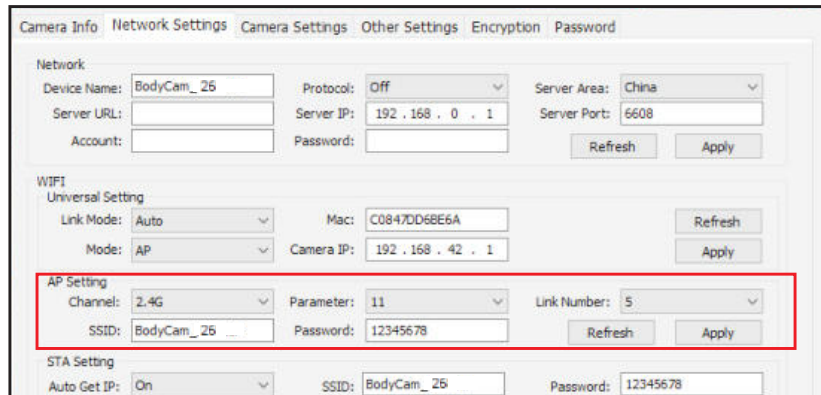
IOS



Android



Connect your phone to the WiFi network created by the camera. The WiFi SSID and password can be found in Cam Manager as shown below. The default WiFi password is: **12345678**



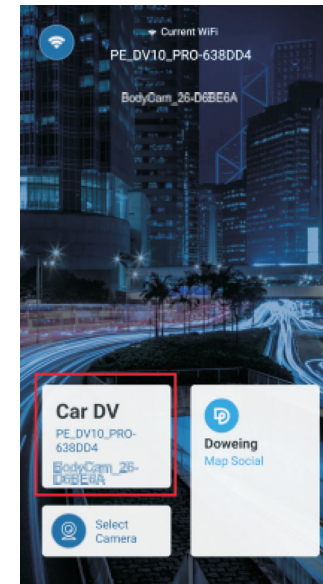
We **STRONGLY** recommend changing the WiFi password immediately for your camera to something secure if you plan to use the WiFi option.

Open the FN Cam app on your mobile device.

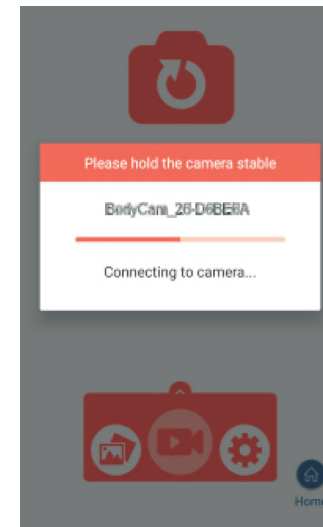


APP installation and Use

Once the app has opened and is connected, tap the Car DV button to connect to your camera.



After you tap Car DV, you will see the following message while the camera is connecting.



APP installation and Use

After successfully connecting your camera to the app, you will be able to see the camera's livestream. If you are in an area where you are able to acquire a GPS signal, you can tap the Home button in the lower right corner of the app and you will see a map of your current location.

Please see our website stuntcams.com/dv10-pro for advanced instructions on connecting to your camera via the app.



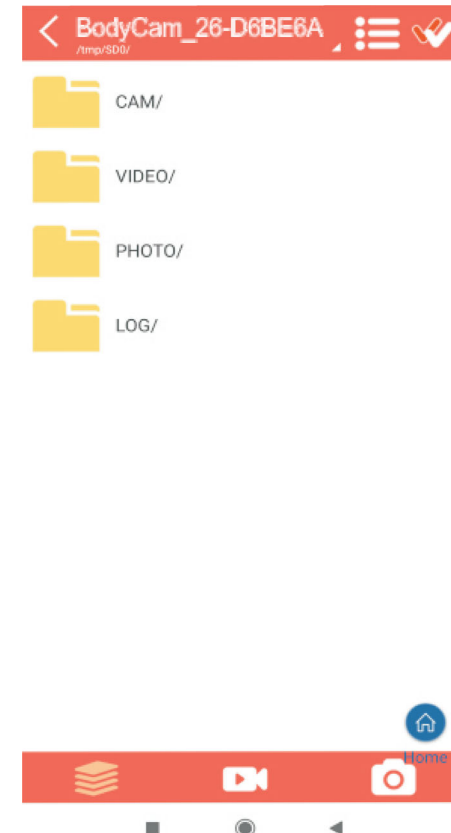
APP installation and Use

To view your already recorded videos simply tap the lower left Photo/Video icon.



From this screen you can select the folder and then you will be able to review, download or delete your video/audio files. If you do not want users to have these privileges you can.

1. Keep the WiFi function disabled in Cam Manager.
2. Change the WiFi password so that it can only be used by an administrator.



Review/Download File from Camera on PC

How to review/download files from camera via web server.

1) Make sure WiFi is ON after camera is powered on. WiFi indicator(next to battery level indicator) will be solid white. A WiFi network will be created by camera, and network SSID will be "SSID+Mac Address(last 6 characters)", SSID can be found in the tab "WiFi&Bluetooth"of camera management software.

WiFi
Universal Setting
Link Mode: Auto Mac: C0847DD6BE6A
Mode: AP Camera IP: 192.168.42.1
AP Setting
Channel: 2.4G Parameter: 11 Link Number: 5
SSID: BodyCam_26 Password: 12345678
STA Setting
Auto Get IP: On SSID: BodyCam_26 Password: 12345678

BodyCam_26-D6BE6A
Secured
✓ Connect automatically
Connect

Review/Download File from Camera on PC

2) Connect to the WIFI network created by camera. Click "Connect using a security key instead" and enter the password. Password can be found in the tab "Network Settings" of camera management software, default password is **12345678**.

BodyCam_26-D6BE6A
Secured
Enter the PIN from the router label
(usually 8 digits)
Connect using a security key instead
Next Cancel

BodyCam_26-D6BE6A
Secured
Enter the network security key
12345678
Next Cancel

WiFi
Universal Setting
Link Mode: Auto Mac: C0847DD6BE6A
Mode: AP Camera IP: 192.168.42.1
AP Setting
Channel: 2.4G Parameter: 11 Link Number: 5
SSID: BodyCam_26 Password: 12345678
STA Setting
Auto Get IP: On SSID: BodyCam_26 Password: 12345678