

CP-DBP-H20-PGW USER MANUAL



Statement

Thank you for purchasing our products, please read the manual carefully before use. If the product in the use of the process of failure, please contact our after-sales staff in time. The product will be updated in real time according to the market demand, and the manual and system procedures will be updated in time. If there is any upgrade, no further notice will be given. Product upgrades may lead to partial functionality of the product and manual do not match, please in kind prevail, or contact our customer service staff. If you do not follow the manual to operate, any losses thus caused shall be borne by the user. The final interpretation of this manual is owned by the company.

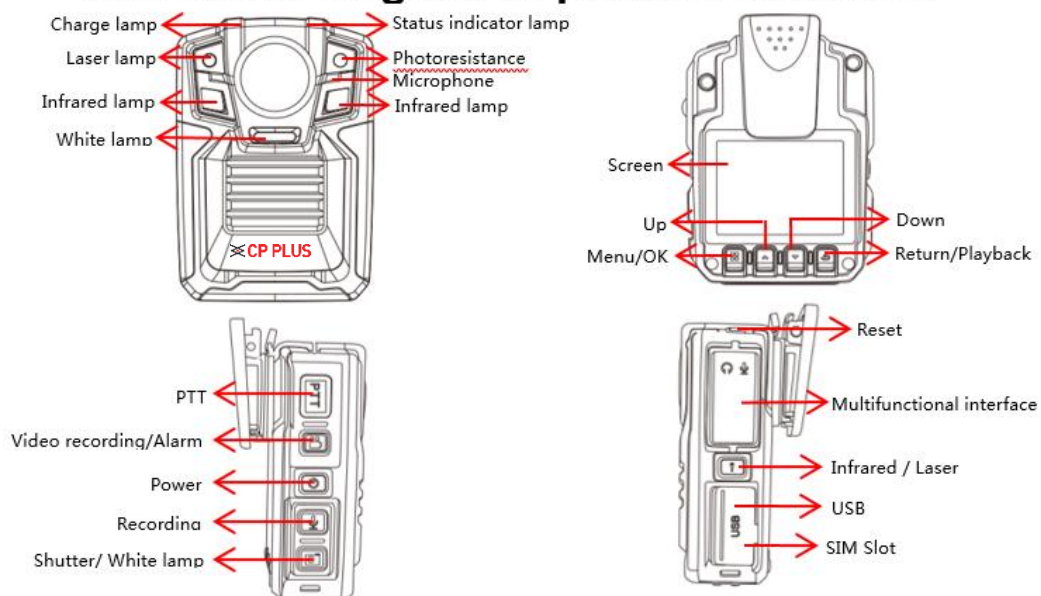
Attention:

- 1.The installation and maintenance of this product by professionals, please do not privately disassemble and repair etc.
2. The product should be avoided in the strong electromagnetic radiation environment, so as not to cause interference to the image signal.
- 3.The product should be avoided in the direct intense light source and light source unstable environment, so as not to affect the life of photosensitive devices.
- 4.In order to protect the safety of the product, be sure to use the standard power adapter, away from the fire source.

1.Product introduction











The 4G HD single police law enforcement video-audio recorder is a highly integrated equipment designed for police, armed police, industrial and commercial and other law enforcement departments. The equipment supports photography, video recording, recording, local storage, infrared night vision, laser positioning and 3G/4G wireless transmission, The video can be uploaded directly to the background through 4G or 3G or WIFI or AP network environments, and users can watch the video through the PC client. The product has the advantages of small size, light weight, easy to carry, one button operation with one hand, it is a good helper for field of law enforcement.


Schematic diagram of product structure:



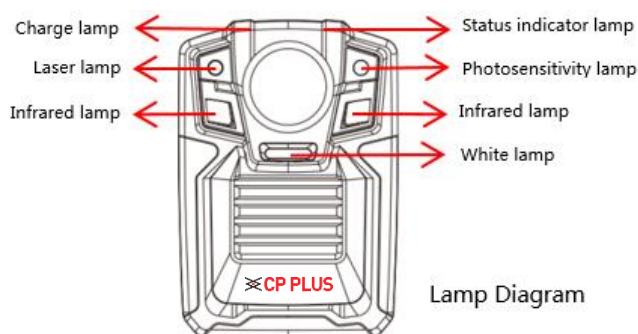
2.Product function

2.1 Button description

Button name	Icon	Usage	Function
Power		Short press	OFF state: No response ON state: ON/OFF LCD screen
		Long press	OFF state: 3 seconds: power on; ON state: 3 seconds: power off;
PTT	PTT		Loosen: listen Press: speak
Video recording		Short press	ON state: Start/Stop video recording; When the screen is off, you can turn on the screen and start video recording OFF state: Boot up and start video recording directly (One-button video recording);
Alarm		Long press	When the 4G is opened, send the alarm to the software background
Recording		Short press	ON state: Start/Stop recording; When the screen is off, you can turn on the screen and start recording Move the keyboard cursor to the left
Shutter		Short press	ON state: Take a picture When the screen is off, you can turn on the screen and take a picture Move the keyboard cursor to the right
White lamp		Long press	ON state: Turn on/off white lamp
Laser		Short press	Turn on/off Laser lamp;
Infrared		Long press	Turn on/off Infrared lamp, switch the filter, the image is switched to black and white or colored at the same time;
Multifunctional interface			Connect headset
Menu/OK		Short press	In the live interface, short press to enter the menu; When the screen is off, you can turn on the screen In the menu interface and playback interface, short press to confirm;
Mark		Long press	When you record the video, press it long enough to mark the video as a key document.
Up		Short press	In the menu interface, short press to move up When the screen is off, you can turn on the screen
FF			When playing back video, short press to fast forward
Zoom in			Short press zooms in
		Long press	Long press continues to zoom in
Down		Short press	In the menu interface, short press to move down When the screen is off, you can turn on the screen
Zoom out			Short press zooms out
			Long press
Return		Short press	In the menu interface, short press to return to the previous menu or exit menu When the screen is off, you can turn on the screen
Playback			In the live interface, short press to enter the playback interface, you can choose to play







			back video、recording and photos (During the video recording, short press can also be played back);
SIM			Insert SIM, can be transmitted in real time
USB			Data transmission and charging
Reset		Short press	ON state, short press can restart;
		Long press	ON state, long press for 10 seconds, restore factory settings

2.2 Indicator lamp description



Indicator lamp name	Description
Charging indicator lamp	Red lamp The charging indicator lamp is on when charging, and the charging indicator lamp flashes when it is fully charged.
Status indicator lamp	1. The lamp turns green when the device is in standby mode, not recording videos and audios, and not taking photos. 2. The lamp turns red when users are recording videos and taking photos. 3. The lamp turns yellow when users are recording audios. 4. The lamp turns flashing green when the battery is low.
Laser lamp	Under standby mode, users can enable or disable the laser lamp by pressing the "Laser Lamp" button momentarily. Laser lamp allows users to do positioning recording.
Photo Sensitivity lamp	The lamp evaluates how much light is in the surroundings. When it goes dark, the lamp will enable infrared lamps, and vice versa.
Infrared lamp	There is one infrared lamp on both sides of the device. The lamps will work when there is low light, and the video will turn to black and white.
White lamp	When the device is open, long press "Camera" button to enable/disable white lamp. Users can replace floodlights and fill lights with the white lamp.

2.3 Interface Icon Description

Icon Name	Description
	When you record the video, press menu button long enough to mark the video as a key document.
	When GPS is on, this icon represents that the device has received GPS signal and positioned successfully.
	When 4G is on, this icon represents that the device has received 4G signal and shows signal strength, with level four as the strongest level.
	When WIFI is on, this icon represents that the device has connected to WIFI successfully and shows signal strength, with level three as the strongest level.
	When WIFI AP is on, this icon represents the device successfully becomes a WIFI hotspot which external devices can connect to.
	It shows how much battery is remaining. When it turns to flashing red, the device is about

	to shut off due to too low battery.
	It represents the device is charging.
	It represents video recording is on.
	It represents the device has connected to the platform.
12.3G/14.9G	It represents available capacity out of all capacity. The device is actually full when available capacity is 1.4G.
2017/02/01 08:10:32	It represents the current time of the device.
D1000758_356214	It represents "Device ID"_"Security ID"
1920×1080	It represents the resolution of current recording. Resolution can be changed in the menu.



2.4 Function Introduction

2.4.1 Power On/Off

When the device is powered off, press the power button for three seconds to start and device and go to image preview main interface.

When the device is powered off, users can also short press record button to start and device and directly start recording.

When the device is powered on, press the power button for three seconds to shut down the device.

2.4.2 Image Preview

The device will go to image preview interface immediately after launching, and images shot by the device can be shown on the LCD screen. Users can set video parameters via Live Setting in the main menu to have the best display quality.

2.4.3 Voice Intercom

Users can send voice messages when pressing the PTT button, otherwise can only receive voice messages.

2.4.4 Video Recording

When the device is powered on and the LCD screen shows preview, short press the record button. Then, video recording starts accompanied with an audio cue and vibration, and the status lamp turns red.

When recording videos, the LCD screen displays real-time preview. The flashing red dot in the left top corner of the screen means the device is recording, and the time in red is the length of the recorded video. While recording, short press the record button to stop recording, accompanied with an audio cue and vibration. The recorded video file will be saved automatically, and the status lamp turns green.

When the device is powered off, users can short press record button to start and device and directly start recording.

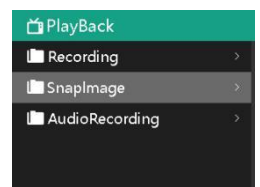
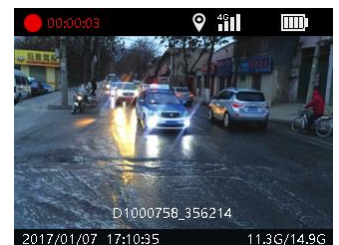
While recording, users can long press the menu button to star important video files, and the file name will be marked with IMP.

Users can also select prerecord or delayed recording in the menu.

Videos will be saved as MP4 files, and users can playback.

2.4.5 Recording

When the device is powered on and the LCD screen shows preview interface, short press the record button to start audio recording, accompanied with an audio cue and vibration, and the status lamp turns yellow. While recording, the LCD screen shows audio recording interface with "Recording" and the length of recorded audio. Short press the audio record button while recording to



stop recording, accompanied with an audio cue and vibration. Audios will be saved automatically as WAV files and the LCD screen shows real-time preview interface, and the status lamp turns green. Users can playback recorded audio files.



2.4.6 Photograph

When the device is powered on and the LCD screen shows preview main interface, short press and record button to take a snapshot, accompanied with an audio cue and vibration, and the status lamp turns red. While taking snapshots, the LCD screen shows photograph interface and turn back to preview interface when finish taking photos, and the status lamp turns green.

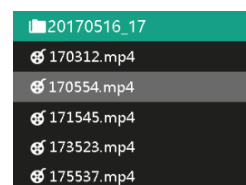
Photos will be saved as JPG files, and users can check the photos using playback.

2.4.7 Playback

Press back button in the real-time preview interface to directly enter playback interface. Playback interface includes three folders, videos, photos, and audios. Select a folder to check relevant content.

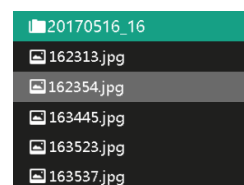
2.4.7.1 Video Playback

- Press the back button in the real-time video interface or while recording to enter the playback interface. Select "Video" to enter the video folder.
- Video files are saved to folders by hour. Select a folder and press "Sure" to enter the folder.
- Select a video file and press "Sure" to start playback. SPK has corresponding audio sound and the LCD screen shows playback.
- While playback, press "Up" button to speed up.
- While playback, press back button to stop playing.



2.4.7.2 Photo Playback

- Press the back button in the real-time video interface or while recording to enter the playback interface. Select "Photo" to enter the photo folder.
- Photo files are saved to folders by hour. Select a folder and press "Sure" to enter the folder.
- Select a photo file and press "Sure" to start playback. The LCD screen shows playback.
- While playback, press back button to stop playing.



2.4.7.3 Audio Playback

- Press the back button in the real-time video interface or while recording to enter the playback interface. Select "Audio" to enter the audio folder.
- Audio files are saved to folders by hour. Select a folder and press "Sure" to enter the folder.
- Select an audio file and press "Sure" to start playback. The LCD screen shows playback.
- While playback, press back button to stop playing.



2.4.8 Light Compensation

While the device is powered on, short press "Laser lamp" button to enable/disable the laser lamp. Users can locate the place that the device is recording about by checking the destination of the laser.

While the device is powered on, long press "Taking a Photo" button to enable/disable the white lamp. When the lights in the surrounding is low, the white lamp can be used as floodlights or fill lights.

2.4.9 Infrared Switch

When the device is powered on, infrared lamp is in auto mode, and the device will sense how much light is in the surroundings. When the light is low, infrared lamp will be opened and video will turn into black and white, and vice versa.

2.4.10 Digital Zoom

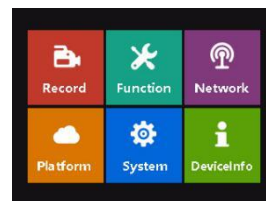
In the real-time video interface, press the "Up" button to zoom in. Users can zoom in the center area up to 8 times. Vice versa.

2.5 Menu Introduction

2.5.1 Main Menu

In the real-time video interface, press menu button to enter the main menu. The main menu includes Video Setting, Platform Configuration, Function Setting, System Configuration, Wireless Network, Equipment Information.

In the menu interface, the menu button is the sure button, the up button is selecting previous, and the down button is selecting latter.



2.5.2 Video Setting

Users can set video parameters. The higher the relevant parameter is, the clearer and smoother the video is.

Following are video settings:

- Resolution: 2688×1512, 1920×1080
(1080P is set as default. The higher the resolution, the clearer the video.)
- Video Frame Rate: 1/5/10/15/20/25/30
(1/30 is set as default. The higher the frame rate, the clearer the video.)
- Video Bit Rate: low/medium/high
(High is set as default. The higher the bit rate, the clearer the video.)
 - Recording Mode: auto/manual
(Auto is set as default when the device is opened. Users have to manually enable the manual mode.)
- File Length: 5min/10min (Ten minutes are set as default.)
- Record Delay: Off/5s/10s/20s/30s (Five seconds are set as default.)
- Record Cover: on/off.
(Off is set as default. After enabling record cover, old video files will be automatically covered by newer ones when the capacity is full, while files that are marked important will not be covered.)



2.5.3 Platform Configuration

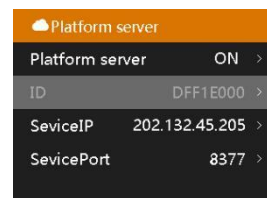
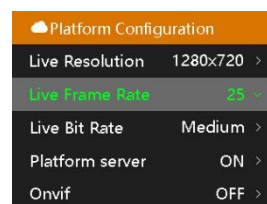
Configure the platform. The better the configuration, the clearer and smoother the video.

- Live Resolution: 1280*720, 720*480, 352*288 (The higher the resolution, the clearer the video.)
- Live Frame Rate: 1/5/10/15/20/25/30 (The higher the frame rate, the clearer the video.)
- Live Bit Rate: low/medium/high. (The higher the frame rate, the clearer the video.)

Setting References:

- Platform Server: enable
- Device ID: (default ID)
- Server IP: IP address of the server
- Server Port: port number of the server

After setting the platform, the device can connect to the platform automatically when connecting to the network.



2.5.4 Wireless Network

Select network type to connect.

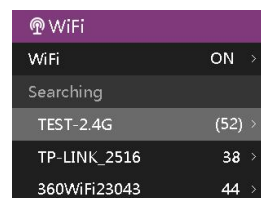
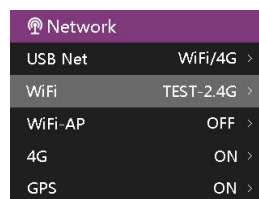
- Network Type: WIFI/4G (Enable WIFI/4G function.)

USB Network (When connecting the device to PC via USB, users can use network adapter to visit the web client of the device using PC. See the appendix for USB settings.)

USB Series Port: (for program copying)

- WIFI: Enter

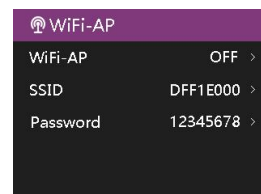
First select WIFI/4G as the network type and enter the WIFI configuration page. Enable WIFI and the device will search signal and strength of WIFI that surrounds the device. Users can use up and down buttons to select a WIFI and press "Enter" to eject the keyboard. (User Up/Down/Record/Photo buttons to move the cursor.) Enter the WIFI password to connect the WIFI. Return to the real-time video interface to check if the WIFI icon is on. When WIFI works, the device can directly connect to the platform after configuring the platform.



- WIFI AP: Enter

Select WIFI AP to enter the setting interface, press "Enter" button to enable the function. Enter SSID number and password and click OK to save changes. Return to the real-time video interface to check if the WIFI AP icon is white.

When a 4G card is inserted to the device, configure the WIFI AP hotspot to let other devices connect to the network by connecting WIFI AP.



●4G: On/Off (Off is set as default.)

When the device is powered off, insert a Micro-SIM 4G Data Card and start the device. Enable 4G function in the menu and return to the real-time video interface. When 4G icon is white, 4G is ready. See the appendix for instructions of inserting the 4G card.

Enable 4G, and the device can directly connect to the platform after configuring the platform. Long press the Record button to send alarm messages to the software background.

4G Setting	
4G	ON >
Service	UNKNOWN >
APN	NULL >
Username	NULL >
Password	NULL >

●GPS: On/Off

When the device is powered on, enable GPS in the GPS configuration interface. Then a list shows the number of searched satellites and signal strength. Return to the real-time video interface to see if the GPS icon is white and if the device has received GPS position information.

GPS	
GPS	ON >
Searching. . .	
1	26
2	39
3	00
4	25
5	30
6	22

2.5.5 Function Setting

●Infrared Switch: Auto (Auto is set as default. The device decides whether to enable infrared lamp according to how much light is in the surroundings. Video is in black and white in infrared mode, and color in normal mode.)

Color (Compulsively set video to color.)

Black and White (Compulsively set video to black and white.)

●Image Quality: 4M/8M/16M/32M (4M is set as default.)

●Mic Volume: 0/1/2/3/4/5/6/7/8/9 (5 is set as default.)

●Speaker Volume: 0/1/2/3/4/5/6/7/8/9 (5 is set as default.)

●Sound: On/Off

●Vibration: On/Off

●Auto Screen Sleep: Off/30s/1min/3min/5min (30s is set as default.)

DeviceInfo	
HardwareVER	020C0600
SoftwareVer	20170915
DeviceID	DFF1E000
4G IP	192.168.10.112
WiFi IP	192.168.2.100 >

2.5.6 System Configuration

●Time: 00:00:00 (Time: Hour:Minute:Second)

●Date: 2018-01-01 (Date: Year-Month-Day)

●Language: English

●Color Theme: Dark/Green/Blue

●Font Size: Large/Medium/Small

●Reset: Yes/No

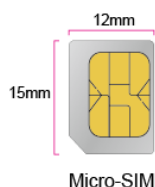
System	
Time	13:30:08
Date	2017-05-10
Default	No >
Language	English >
Theme	Theme 1 >

Installation Instruction of 4G Data Card

When the device is powered off, open the slot with a logo.



SIM card slot is located beside the USB interface. Follow the direction on the SIM card slot to insert the "Micro-SIM 4G Data Card". While installing, face up the side with a chip of the 4G card, press the card with the gap outwards until there is a crack sound. Then the card is inserted successfully. When removing the card, press and 4G card and the card will pop up automatically.



THANK YOU FOR CHOOSING CPPLUS.