

**PORTABLE FOR  
> RECORDING  
> EVIDENCE  
COLLECTION**

**Camcorder  
Model: DSJ-AI**



**USER MANUAL**

Please read this manual carefully and thoroughly before any attempt to install and operate this product and retain it for your future reference.

## **Preface**

Thank you for purchasing the 3G Full HD Body Worn Camera. The unique human-oriented design of this product, together with the multi-purpose back clip and shoulder clip, ensures full angle video recording / control which is important to fulfill the purpose of evidence collection and law enforcement.

This operating manual contains detailed instructions on how to use and install this product and provides you with detailed information including notes for using, operating, and installing, as well as the technical specifications. Please read this manual carefully before using the product. It is also recommended that this manual is preserved properly for future use. We hope this product will meet your requirements and serve you for a long time.

## **Product Guarantee**

This product meets the recommended indices of authentication institutes like FCC & CE. It comes with a safety guarantee.

## **Product Profile**

This is a high-end tiny HD Digital DV product launched for military and police fields. It has functions like cutting edge digital video recording/audio saving, photo-capturing, time display, Mini USB 2.0/Bluetooth 4.0 data transmission, USB charging, 3G real time transfer, GPS locating and Geotag, 2.5inch touch screen panel, dual camera lens for photoshooting and video recording, intercom connection and etc. The accessories provided with the product can satisfy the working demand of military and police personnel for collecting evidence at any place at any time. This product is covered by multiple invention and technical patents.



■ Please don't throw the waste at random. Please recycle!

## **Declaration**

We preserved the rights for contents of manual, subject to change without notice. This manual is only reference for user, as we are committed to continuously improving the customer experience, product may have some differences with description in user manual, in this case, subject to a real device.

## **Warm Tips**

- Before using this product, please carefully read and understand the following safety measures.
- When using successively, it is normal that the temperature of the machine rises.
- If this machine will not be used for a long time, it is suggested to charge the battery every three months, in order to maintain the battery performance.
- There is a slight difference in video visual angles in different modes.
- When capacity of video file is larger, it is suggested to use computer or other professional display devices, in order to ensure proper displaying.
- Do not attempt to open the product casing, only authorized service personnel to carry out repairs.
- Software: When using please install the application and driver software.
- Please ensure all the plugs are fixed when using the camera in rainy, snowy and very cold region.
- Under the resolution of 1920x1080, +/-function key will be ineffective. This is the most clear state. If user needs larger resolution, please zoom in on one bigger screen to zoom in it.
- When connecting the Body Camera to the computer, please make sure that the camera battery has some power. If the battery power is too low, then it can not connect with the computer.
- Charge power:
  - Using 5V USB charger or 4.2 desktop charger, car charger
  - When charging, please connect 220V or Car charger, charger's USB

interface will insert into camera's USB. When the camera is charging, the Status indicator red light will be on. When the battery is full, the light turns to green. After it turns green, please continue to charge for 30 minutes to make sure it is full.

- During the first 3 time charges, please charge 12 hours.
- Note: please do not make video or audio when charging!
- Use only accessories provided by the manufacturer.

## **Contents**

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|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (1) BD Antenna                | It is a positioning terminal by receiving the satellite signal. Maximum signal up to 11 stars.                                                                                                                                                                                                                                                                                                                                                                                               |
| (2) Laser light               | When in video screen, you can position by pressing the PTT key or touch the PTT shortcut in the screen.                                                                                                                                                                                                                                                                                                                                                                                      |
| (3) Infrared light            | 2 pieces high-power infrared auxiliary lights can keep the photo and video at good effect in all dark scene more than 5 meters. Photosensitive resistance induced light changes. In Auto mode (you can set in the Settings for Auto/Manual), the IR night vision lamp is activated when the light changes black, and enters into the night vision mode. In manual mode, the IR night vision lamp will switch on by touching the IR night vision lamp, and enters into the night vision mode. |
| (4) Photosensitive resistance | Photosensitive resistance includes light changes and offers signal for light dimming circuit.                                                                                                                                                                                                                                                                                                                                                                                                |
| (5) Video camera              | Taking video, wide-angle is 120 degree.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| (6) MIC                       | Using when camera is in video recording, voice recording and intercom.                                                                                                                                                                                                                                                                                                                                                                                                                       |
| (7) Photo camera              | Through the lens to take a precise photo, automatic focus, 13million pixels                                                                                                                                                                                                                                                                                                                                                                                                                  |
| (8) Flashlight                | 1 ultra-light white light LED. In the condition of the complete darkness or darker scene, it can be used as lighting. Press touch screen for quick operation                                                                                                                                                                                                                                                                                                                                 |
| (9) Loudspeaker               | Transform electrical signals into sounds. When play back the audio/video or using walkie-talkie, it can output voice.                                                                                                                                                                                                                                                                                                                                                                        |
| (10) Hooks                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| (11) Receiver                 | Use it during calling                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

|                                        |                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (12) 2.5" screen                       | 2.5 inch Digital LCD touch screen for easy operation.                                                                                                                                        |
| (13) MIC                               |                                                                                                                                                                                              |
| (14) Touch screen                      | Five point touch capacitive screen                                                                                                                                                           |
| (15) Intercom key                      | After opening the walkie-talkie APP, you can operate the intercom function. Press the PTT to send voice. When opening the APP, you can send voice constantly.                                |
| (16) On/Off key                        | Long press On/Off key, the camera will be on or off.<br>Short press to close the screen. When the screen is in off mode, press any key to open the screen.                                   |
| (17) Camera key                        | Short press to take photos, using lens 2.<br>Support zoom in/out function, and photo burst feature.                                                                                          |
| (18) Video                             | Short press to take video, using lens 1.<br>Can capture / pre-record / delay-record / bookmark / extension key switch resolution function                                                    |
| (19) Audio record, SOS for 3G transfer | Short press to open/close audio.<br>Long press SOS button to transfer the video to the server, realizing 3G real time transfer.                                                              |
| (20) SIM card slot                     | Small SIM card                                                                                                                                                                               |
| (21) Camera S/N                        | Camera serial number                                                                                                                                                                         |
| (22) Status indicator                  | In video recording mode, the red light flashes<br>In standby mode, the green light is on.<br>In voice recording mode, the yellow light flashes.<br>In photoshooting mode, red light flashes. |
| (23) Charge indicator                  | In low power status, red light flashes.<br>In charging mode, red light is on.<br>When the battery is full, green light is on.                                                                |
| (24) Communication signal indicator    | After inserting the SIM card, it displays mobile phone signal and GPS signal connection information. Specific display can be configurable.                                                   |
| (25)Magnet Pin interface               | Charge or transfer data                                                                                                                                                                      |

- 3.1 First, load the clips on the desired position. Suggest to put on the shoulder strap closer to the eye, as it is the firmest position.
  - 3.2 Adjust the video position. In the condition of taking video, long press the PTT button to start the camera positioning function.
  - 3.3 After the camera is fixed, long press On/Off button to switch on the camera. The screen will turn black automatically to save battery power.
  - 3.4 After the camera is fixed on the shoulder, the screen will turn black to save power controlled by light sensor. Take off the camera, the screen will switch on.
  - 3.5 It shows the power percentage and abnormal message to effectively alert the police officer.
- (1). When taking video with 3M lens: short press to switch On/Off video. In the process of video capturing, the camera can automatically detect the intensity of light and trigger the infrared auxiliary light source. In the process of videoshooting, short press the video button to capture the pictures, and the error is 0.1s. The ultra wide horizontal angle of view optimizes video recording and photoshooting. Pre-record and delayed record is configurable at 5min, 10min and 20min.
  - (2). 13 million pixel camera supports AP/AE photos. Maximize image definition, and support continuous shooting mode to capture the dynamic image.
  - (3). Setting options in the video and photo interface.
  - (4). Shortcut to adjust the parameters such as brightness, sound and white lights.
  - (5). Short press SOS button to enable/disable record. Long press SOS button, upload the video to the background through WIFI/3G/4G, and implement the network transmission. The camera and background can both store the video files. Real time monitor police attendance and unusual behaviors around, and protect the police officer and evidence. The background can also show the

location information.

- (6). Operate the certificate license image identification software on the touch screen to recognize the licence plate, identity card and others.
- (7). Open the intercom software through touching screen or short press PTT button. Set the serial number and unique police officer channel. Long press the PTT button to talk, implementing total deployment. You can choose one to one, or many to many talk. There is no distance-limited, signal interference and others.
- (8). The screen can real time show the location information to confirm the police officer's area. The advantages are high speed localization, reaching 11 star number and 42dBm signal.
- (9). If the system is abnormal, use the unique tools to strike the press button above on USB, or force to power off. Then open the equipment by long press open button.
- (10). One key for important mark, One key for HD and universal switch, IR auto/manual switch, prohibit to amend the date/time or delete file, file encryption for upload, connecting with docking station and so on.
- (11). The information displayed on the video: ID, video Icon, video resolution (camera pixels), memory display, the remaining time of the video, video time, date time, GPS information
- (12). Watermark information: the watermarked information for photo, video are ID, date, GPS and file name

## 4 System Setting

- 4.1 Input the password to change the video resolution, video quality, camera mode, video segment, night vision, the brightness of the IR LED.
- 4.2 Default password: 000000

## 5 Software Application

### 5.1 Dual lens:

- Lens1: Mainly for Video, wide angle view at 120-135 degree, 3Megapixel.  
Please refer to the following Lens 1 screen item.
- Lens 2: Auto focus, mainly for photoshooting, 13Megapixel.  
The 13MP lens support AP/AE, and maximum realize the picture clarity.  
Support photoshooting and capture the dynamic images.



## 5.2 Lens 1 screen

- Press Power button, it will enter into the following picture (Lens 1 screen).



- Click on the Lens 1 (Setting), enter into the the standby screen of the Lens 1, here you can set up the camera setting.



**Prerecord:** The lens 1. Here you can set the pre-record function. After enabling the pre-record function, lens 2 can not be used. If you want to use the lens 2, please make sure to disable the prerecord function!

**Extend record:** For lens 1. Same as Prerecord.

**GPS:** Activate the GPS function, and overlay the location info (latitude and longitude) on the video or photo.

- Click 2(Laser light), laser location enabled. Click one time, switch on the laser light; click again, switch off the laser light. (Same as short pressing the PTT button in taking video.)



- Click the 3 (HD/SD switch) . 1080p is HD, 720p is SD.



- Click the 4 (On/Off video), click one time to take video; click again to save video and close the video.

- Click the 5 (IMP mark), when taking video, click the IMP mark icon to make important bookmark. The bookmarked files will be saved in the mark folder, and the file name includes "IMP".
- Click the 6 (IR),



the infrared light is off,



the infrared light is auto on.



open the infrared light manually.

### 5.3 3G real transfer PC terminal



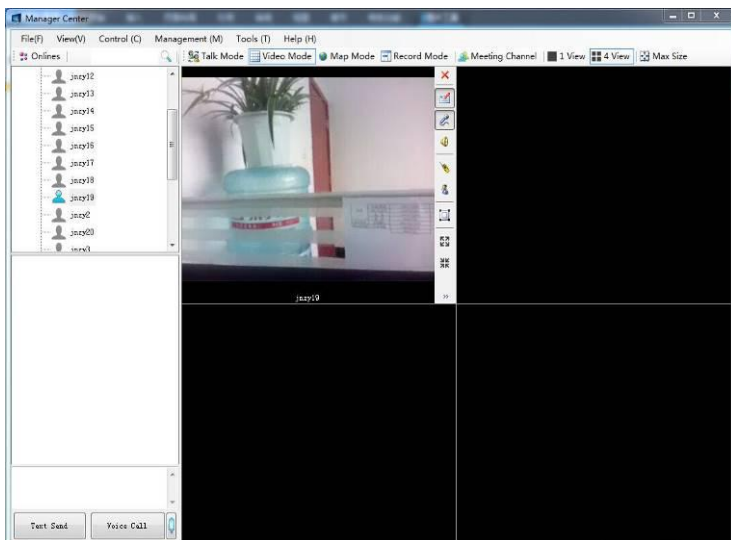
5.3.1 Step 1: Click the WVP manager center , and enter into the following screen to fill in the correct login information:

**Manager Center**

Server : \_\_\_\_\_  
 Group : \_\_\_\_\_  
 Login Name : \_\_\_\_\_  
 Password : \_\_\_\_\_

5.3.2 After logging into the manager center, it will display the following.

Main screen



5.3.3 Menu bar

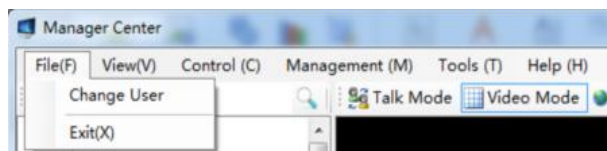
The menu bar includes: File, View, Control, Management, Tools and Help.



- **File**

File includes Change User and Exit, you can change the user or exit the manager

center.



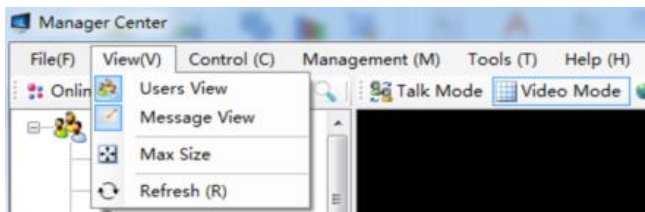
- **View**

View menu bar includes:

Users View and Message View, which display content on the left directory.

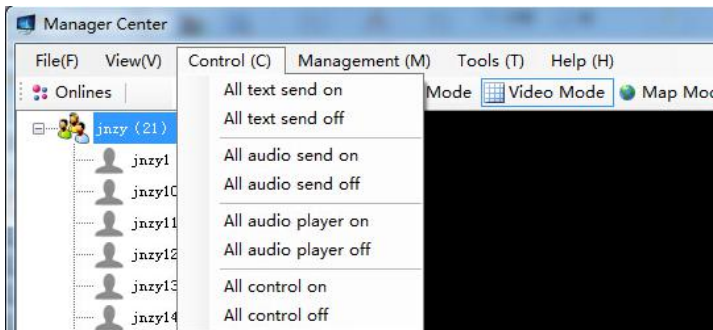
Max Size: Video displayed in maximum size.

Refresh: Refresh the User list and Control message in order to prevent data from being delayed.



- **Control**

Control menu bar includes various control function. Mainly open/off the Word, Microphone and Speaker function.

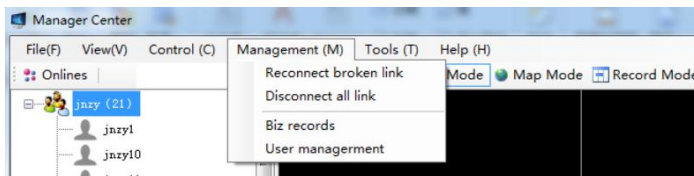


- **Management**

Management menu bar includes Reconnect broken link and Disconnect all link.

Reconnect broken link: A key to reconnect the disconnected user.

Disconnect all link: A key to disconnect all users.



- **Tools**

Tools menu bar includes:

Player: open the player

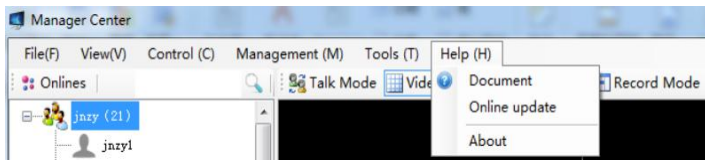
Format Convert: conversion of the view format



- **Helper**

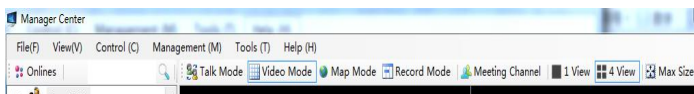
Helper menu bar includes: Document, Online update and About

The three functions are to check user manual, software version information and online upgrade.



- **Shortcut bar**

Shortcut bar is used to switch the user mode. Mainly includes: Multi View mode, Map mode, Playback mode and Max Size

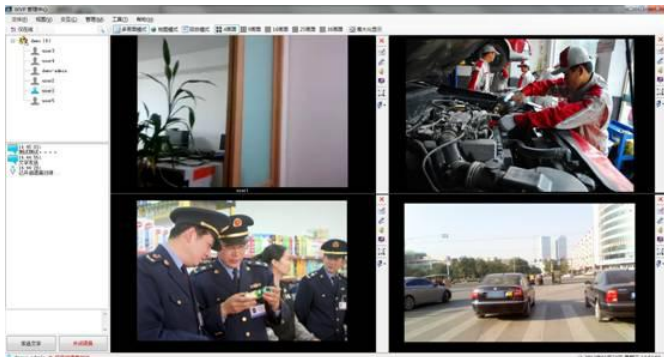


- **Multi View mode**

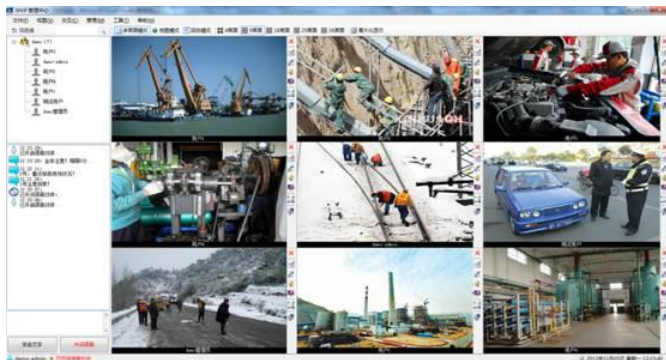
Multi View mode contains: quad mode (standard type). If required, multi-view mode can be customized as 9ch, 16ch, 25ch and 36ch split-screen mode.



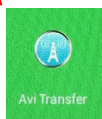
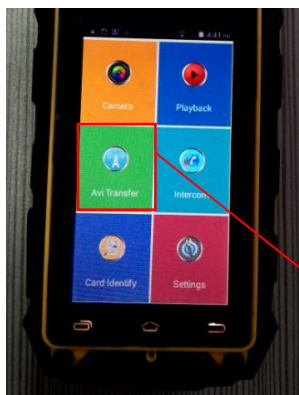
**Quad mode**



## 9ch Split-screen mode

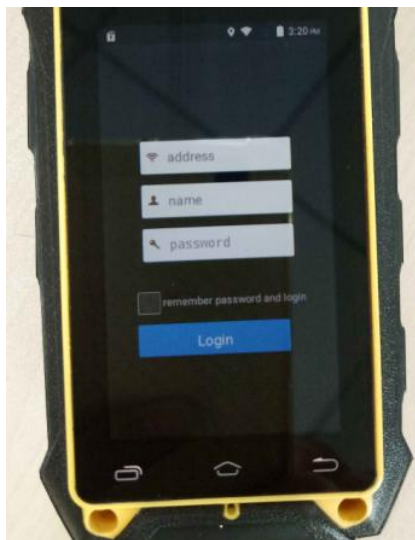


## 5.4 3G/4G real time transfer camera terminal



This is the camera terminal

for 3G/4G real transfer. Click on it to enter into the following screen:



Fill in all the information to connect with the PC terminal for 3G/4G real time transfer. And it will enter into the following:



---

## **FCC Warning:**

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 or more 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

## **Specific Absorption Rate (SAR) information:**

This Camcorder meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: Camcorder (FCC ID: 2AONH-DSJ-AI) has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the Camcorder kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the Camcorder. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

