

# LIVECAM STATIONKD-KD-C25NW specification

Please read this manual carefully before using the machine and keep it for future reference.



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## Matters needing attention:

- Before use, please read this manual carefully, and please take the retention of instruction.
- Please do comply with the products identified on the warning signs and instructions.
- Before cleaning the machine, please pull the plug, do not use alcohol, thinner, pesticides or other volatile solvent, because doing so would make the shell deformation or damage to the surface.
- Using extension, please confirm the total quantity/total Ann used multiple, shall not exceed the total load by extension multiples.
- Do not any liquid splashes on this product. Avoid short circuit.
- Please not do STH without authorization for dismantling maintenance.
- If you have the following situations occurs. Please unplug this product and contact a qualified technician.
  - ①The power cord or plug is damaged or peeled.
  - ②There is liquid seeping into the product.
  - ③If this product has been rained on or splashed with water.
- When transported to equipment installed in the original packaging box, or a similar package, the equipment can be reduced by strong vibration.

## Product and service disclaimer

The information provided in this manual is intended as a guide only. All along, KIND strives to provide correct, complete and appropriate information. However, KIND cannot exclude that some information in this manual may be incorrect or incomplete and that this manual may contain typos, omissions or incorrect

information. KIND recommends that you double-check the accuracy of the information in this document, and KIND is not liable for any omissions or errors. Or any subsequent loss or damage resulting from the information provided in this Description, further information about the contents of this description or the products may be obtained by contacting local offices or KIND Headquarters.

For your safety, please do not let the equipment receive rain or damp. In case of failure, please do not remove the casing. For after-sales matters, contact the manufacturer to ask professional engineers for maintenance.

When recording or transferring important data, be sure to pre-check the device connection or perform a test first to ensure proper operation and avoid data loss.

According to copyright law, recorded video or audio may not be used for any purpose other than personal enjoyment without the permission of the copyright holder. Note that for live performances, performances and exhibitions, even your own entertainment may be restricted.

# I 、Product overview

1. 1-inch Exmor R CMOS imager with broadcast-quality 4K images;
2. 12x optical zoom, SRZ 4K 18x; HD 24x;
3. Servo motor high speed head, translation/pitching speed  $0.1^{\circ} \sim 300^{\circ} / \text{s}$ ;
4. 12.4 million pixels,  $3840 \times 2160$  1920\*1080 resolution;
5. 3G-SDI and HD4K video output;
6. 360° TALLY light;
7. Application: 4K image shooting, studio, media broadcast, multi-camera shooting;
8. Size:  $160\text{mm} \times 155\text{mm} \times 230\text{mm}$ ; Weight: About 1.8kg;

## II、Connection specification

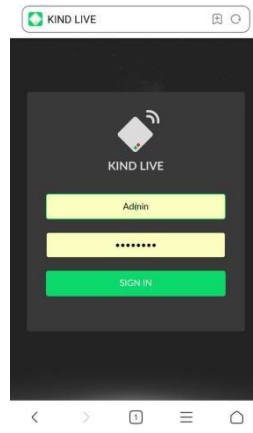


## III、This section describes how to set NDI on the mobile phone

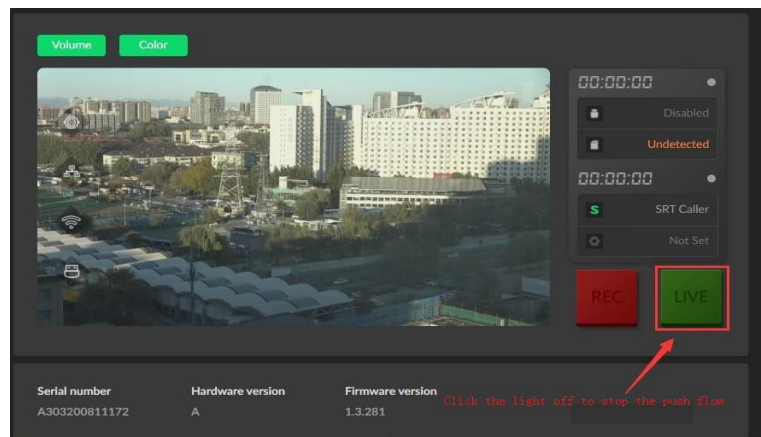
1. Background operation instructions of wireless camera first open the mobile phone to search WIFI (the default naming format of the camera is shown in the following figure, and the password is the yellow area after the digit naming).



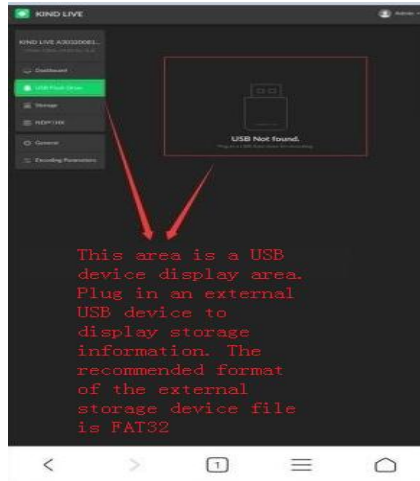
2. Open the system browser and enter 192.168.48.1 (user name and password: Admin).



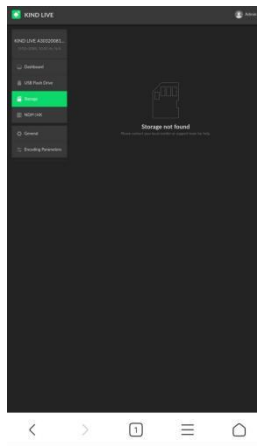
3. After entering the background successfully, close the live key to stop pushing NDI for subsequent Settings.



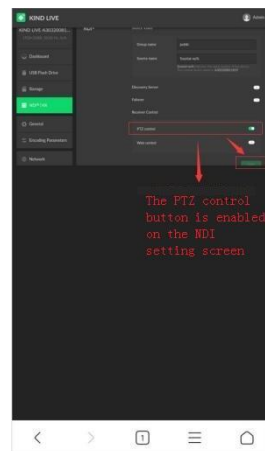
4. USB external storage device.



5. External SD card storage device (Default setting is not required).



6. After the Settings are complete, enable the NDI transmission function.



- Record unit setting interface (can adjust the format and size of USB and SD card video files and other Settings, and can operate the system time and restore factory defaults).

The image displays three screenshots of the KIND LIVE web interface, which is used for configuring the device's recording and system settings. The interface has a dark theme and a sidebar menu on the left with options: Encoding Parameters, Network, Firmware, User Admin, and About.

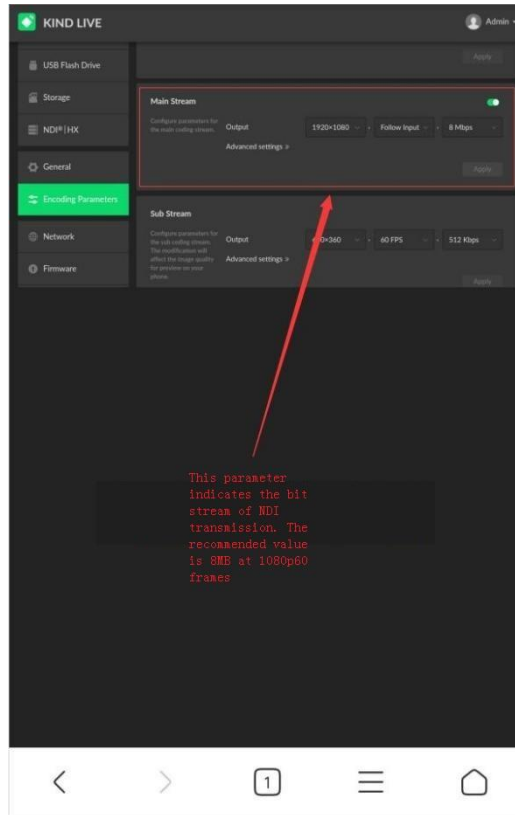
**Recording Settings:** This section allows users to configure video recording parameters. It includes a 'To USB' dropdown set to 'Disabled', a 'To storage' dropdown set to 'Normal', a 'Video type' dropdown set to 'mp4', a 'File path' text field set to 'REC\_Folder', a 'Filename prefix' text field set to 'VID', and a 'Duration' dropdown set to '30 Minutes (478.13 MB)'. A 'Save' button is located at the bottom.

**AP Settings:** This section is for configuring the device's access point. It includes a note about connecting via AP mode, an 'SSID' text field set to 'A303200811019', and an 'AP password' text field set to '00811019'. A 'Save' button is located at the bottom.

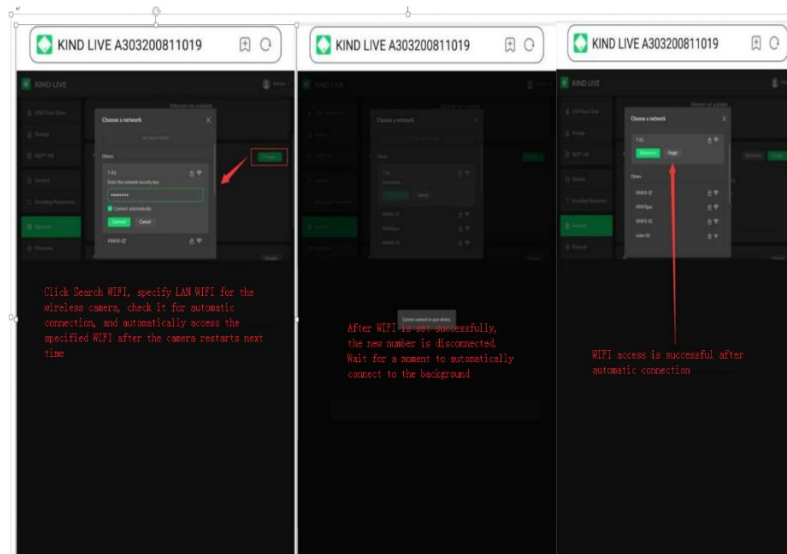
**Date & Time Settings:** This section is for setting the device's date and time. It includes a note about setting the proper time, a 'Time zone' dropdown set to 'Asia/Shanghai', and a 'Set time automatically' toggle switch that is currently turned on. A 'Save' button is located at the bottom.

**Reset Settings:** This section provides options to reset the device. It includes a note about resetting all settings, a 'Reset all settings' button, and a 'Reboot the device' button.

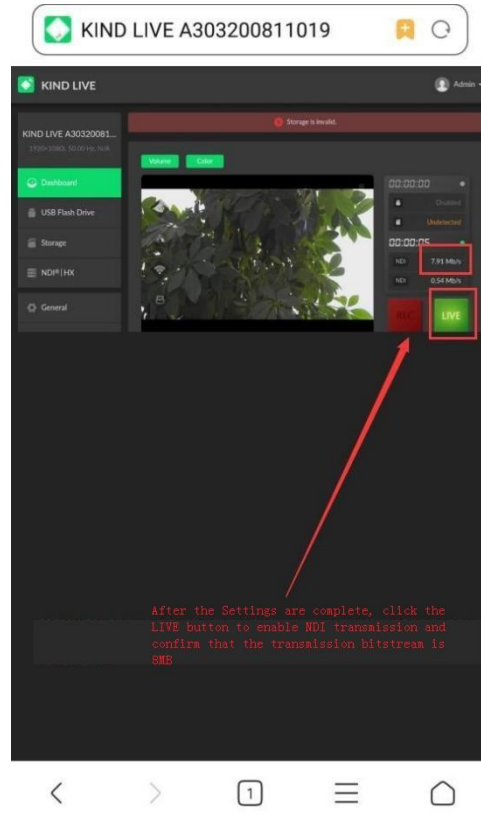
- Set the NDI transmission.



## 9. WIFI Settings.



## 10. After the Settings are complete, enable the NDI transmission function.



## IV、Camera debugging instructions

### Menu introduction

This section describes the Settings menu of the camera

1. Click the "OK" key of the driver or the "MENU" key of the remote control of the camera to enter the setting graphic menu, as shown in the figure below

|          |  |      |
|----------|--|------|
| RETURN   |  | -->  |
| EXPOSURE |  | -->  |
| FOUCS    |  | AUTO |
| WB       |  | -->  |
| SYSTEM   |  | -->  |
| COLOR    |  | -->  |
| IMAGE    |  | -->  |

## ( 1. ) EXPOSURE

### 1. Automatic mode

|          |  |             |  |
|----------|--|-------------|--|
| RETURN   |  | -->         |  |
| EXPOSURE |  | <b>AUTO</b> |  |
| GAIN     |  | 001         |  |
| SHUTTER  |  | 018         |  |
| IRIS     |  | 019         |  |
| BRIGHT   |  | 019         |  |
| EXPCOMP  |  | OFF         |  |
| LEVEL    |  | 007         |  |
| BLC      |  | OFF         |  |

### 2. Luminance priority mode

|                 |  |               |  |
|-----------------|--|---------------|--|
| RETURN          |  | -->           |  |
| <b>EXPOSURE</b> |  | <b>BRIGHT</b> |  |
| GAIN            |  | 001           |  |
| SHUTTER         |  | 018           |  |
| IRIS            |  | 019           |  |
| BRIGHT          |  | 019           |  |
| EXPCOMP         |  | OFF           |  |
| LEVEL           |  | 007           |  |
| BLC             |  | OFF           |  |

### 3. Gain priority

|                 |  |             |  |
|-----------------|--|-------------|--|
| RETURN          |  | -->         |  |
| <b>EXPOSURE</b> |  | <b>GAIN</b> |  |
| GAIN            |  | 001         |  |
| SHUTTER         |  | 018         |  |
| IRIS            |  | 019         |  |
| BRIGHT          |  | 019         |  |
| EXPCOMP         |  | OFF         |  |
| LEVEL           |  | 007         |  |
| BLC             |  | OFF         |  |

#### 4. SHUTTER

|                 |  |                |  |
|-----------------|--|----------------|--|
| RETURN          |  | -->            |  |
| <b>EXPOSURE</b> |  | <b>SHUTTER</b> |  |
| GAIN            |  | 001            |  |
| SHUTTER         |  | 018            |  |
| IRIS            |  | 019            |  |
| BRIGHT          |  | 019            |  |
| EXPCOMP         |  | OFF            |  |
| LEVEL           |  | 007            |  |
| BLC             |  | OFF            |  |

#### 5. MANUAL

|                 |  |               |  |
|-----------------|--|---------------|--|
| RETURN          |  | -->           |  |
| <b>EXPOSURE</b> |  | <b>MANUAL</b> |  |

|         |  |     |  |
|---------|--|-----|--|
| GAIN    |  | 001 |  |
| SHUTTER |  | 018 |  |
| IRIS    |  | 019 |  |
| BRIGHT  |  | 019 |  |
| EXPCOMP |  | OFF |  |
| LEVEL   |  | 007 |  |
| BLC     |  | OFF |  |

## ( 2. ) FOUCS

|              |  |               |
|--------------|--|---------------|
| RETURN       |  | -->           |
| EXPOSURE     |  | AUTO          |
| <b>FOUCS</b> |  | <b>--&gt;</b> |
| WB           |  | -->           |
| SYSTEM       |  | -->           |
| COLOR        |  | -->           |
| IMAGE        |  | -->           |

### (1) Auto focus

|              |  |             |
|--------------|--|-------------|
| RETURN       |  | -->         |
| EXPOSURE     |  | AUTO        |
| <b>FOUCS</b> |  | <b>AUTO</b> |
| WB           |  | -->         |
| SYSTEM       |  | -->         |
| COLOR        |  | -->         |
| IMAGE        |  | -->         |

### (2) Manual focs

|          |  |      |
|----------|--|------|
| RETURN   |  | -->  |
| EXPOSURE |  | AUTO |

|              |  |               |
|--------------|--|---------------|
| <b>FOUCS</b> |  | <b>MANUAL</b> |
| WB           |  | -->           |
| SYSTEM       |  | -->           |
| COLOR        |  | -->           |
| IMAGE        |  | -->           |

### ( 3. ) WB

|           |  |             |  |
|-----------|--|-------------|--|
| RETURN    |  | -->         |  |
| <b>WB</b> |  | <b>AUTO</b> |  |
| RGAIN     |  | 211         |  |
| BGAIN     |  | 156         |  |

#### 1. Outdoor mode

|           |  |                |  |
|-----------|--|----------------|--|
| RETURN    |  | -->            |  |
| <b>WB</b> |  | <b>OUTDOOR</b> |  |
| RGAIN     |  | 211            |  |
| BGAIN     |  | 156            |  |

#### 2. Indoor mode

|           |  |               |  |
|-----------|--|---------------|--|
| RETURN    |  | -->           |  |
| <b>WB</b> |  | <b>INDOOR</b> |  |
| RGAIN     |  | 211           |  |
| BGAIN     |  | 156           |  |

#### 3. One key white balance

|           |  |                 |  |
|-----------|--|-----------------|--|
| RETURN    |  | -->             |  |
| <b>WB</b> |  | <b>ONE PUSH</b> |  |
| RGAIN     |  | 211             |  |
| BGAIN     |  | 156             |  |

#### 4. Automatic white balance

|           |  |            |  |
|-----------|--|------------|--|
| RETURN    |  | -->        |  |
| <b>WB</b> |  | <b>ATW</b> |  |
| RGAIN     |  | 211        |  |
| BGAIN     |  | 156        |  |

#### ( 4. ) SYSTEM

|               |  |                |  |
|---------------|--|----------------|--|
| RETURN        |  | -->            |  |
| EXPOSURE      |  | AUTO           |  |
| FOUCS         |  | -->            |  |
| WB            |  | -->            |  |
| <b>SYSTEM</b> |  | <b>--&gt;</b>  |  |
| COLOR         |  | -->            |  |
| IMAGE         |  | -->            |  |
| RETURN        |  | -->            |  |
| WB            |  | OUTDOOR        |  |
| <b>F-RATE</b> |  | <b>1080I50</b> |  |
| <b>RESET</b>  |  | <b>OFF</b>     |  |

Press the left arrow key to select a different resolution, and click PRSET to reset the system.

|              |  |               |  |
|--------------|--|---------------|--|
| RETURN       |  | -->           |  |
| EXPOSURE     |  | AUTO          |  |
| FOUCS        |  | -->           |  |
| WB           |  | -->           |  |
| SYSTEM       |  | -->           |  |
| <b>COLOR</b> |  | <b>--&gt;</b> |  |
| IMAGE        |  | -->           |  |

Press the left arrow key to appear the following picture

|        |  |     |  |
|--------|--|-----|--|
| RETURN |  | --> |  |
|--------|--|-----|--|

|             |  |            |
|-------------|--|------------|
| <b>GAIN</b> |  | <b>004</b> |
| <b>HUE</b>  |  | <b>007</b> |

*You can adjust the GAIN and HUE parameters to adjust the color.*

## ( 5. ) IMAGE

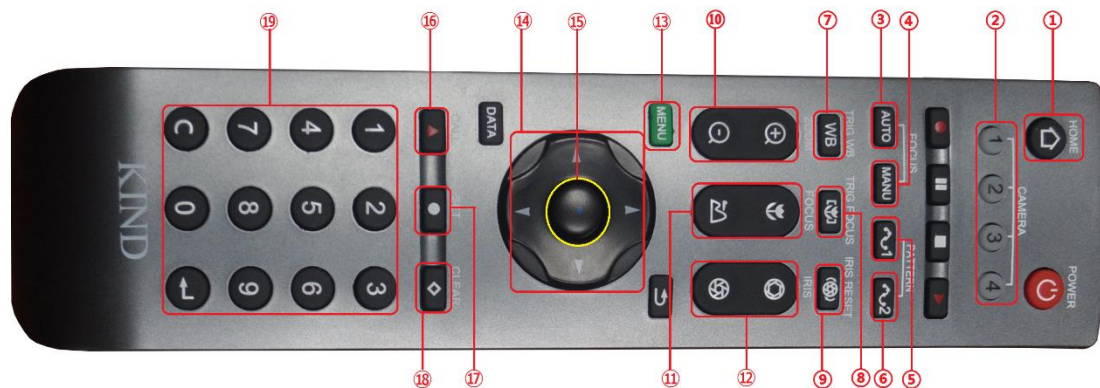
|              |  |               |
|--------------|--|---------------|
| RETURN       |  | -->           |
| EXPOSURE     |  | AUTO          |
| FOUCS        |  | -->           |
| WB           |  | -->           |
| SYSTEM       |  | -->           |
| COLOR        |  | -->           |
| <b>IMAGE</b> |  | <b>--&gt;</b> |

Press the left arrow key to appear the following picture

|                |  |            |  |
|----------------|--|------------|--|
| RETURN         |  | -->        |  |
| <b>E-PLIP</b>  |  | <b>OFF</b> |  |
| <b>LR REV</b>  |  | <b>OFF</b> |  |
| <b>RREEZE</b>  |  | <b>OFF</b> |  |
| <b>B&amp;W</b> |  | <b>OFF</b> |  |
| <b>STAB</b>    |  | <b>OFF</b> |  |
| <b>COL BAR</b> |  | <b>OFF</b> |  |
| <b>SRZ MOD</b> |  | <b>OFF</b> |  |

The preceding function options are in the OFF state by default.

## V、Remote control debugging instructions



①HOME button: Press once to bring the lens to the starting point.

②CAMERA: Switches the address of the control camera, which must correspond to the dip switch of the camera. After the switch, you can set the camera.

③Auto focus button: You can directly use this key to control the one-button focus of the camera.

④Manual focus mode: Press this key to switch the camera's focus mode to manual focus mode.

⑤4K signal switch key: Use this key to switch to 4K30 signal with one click (after setting, you need to restart the camera to make it take effect).

⑥1080 i50 Signal Switch key: Use this key to switch to 1080 i50 signal with one key (After setting, you need to restart the camera for the setting to take effect).

⑦Single white balance: This button is pressed once to achieve a white balance.

⑧Single focus: This button is pressed once to achieve one focus.

⑨Single Stop: This button is pressed once to achieve one stop exposure.

⑩Adjust camera focus: + for pull in - for pull out.

⑪Focus button: After the automatic focus is changed to manual focus ,

⑫Adjust aperture : Change the shutter speed

⑬Menu key: You can open all the function options of the camera. All the contents of the camera instructions can be manipulated from the options.

⑭Up, down, left and Right keys: After entering the menu interface, you can select the contents of the menu by pressing the up, down, left and right keys.

⑮Ok key: Press this key to confirm after selecting the option.

⑯CALL key: Select the confirm key for the preset point.

⑰SET key: Confirm key for setting camera preset points.

⑱CLEAR key: Confirm key to clear preset points.

⑲Preset point selection key: 9 groups of preset points can be selected.

Steps to set preset points.

(1)Position the camera.

(2)Select one of the keys 1-9.

(3)Press the SET key to complete the setting.

Invoke the preset point step :

(1)Select the prefab bit key that was set earlier.

(2)Press the CALL key and the camera lens will return to the preset position.

Clear preset point step :

(1)Select the preset key you want to delete.

(2)Click the CLEAR key to complete the clearing

After the camera is started, the lens is not in the starting position (the camera will be in the center position after the camera is started). Firstly, press the 0 key, and then press the CLEAR key to power off and restart the camera. After the camera is started, the lens will return to the middle position.

## VI、 Packing list



Camera control all-in-one machine, packing case, instruction manual (electronic file), warranty card, certificate of qualification

## VII、 After-sales service

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