

# LIVECAM STATION

## Instructions



## Attention:

When installing the device, be sure to read this safety guide carefully and follow the installation instructions strictly.

Keep this specification safe for future reference.。

Before connecting the switching power supply of the device to the external power supply, check the voltage of the power supply and pay attention to the control power of the device

Voltage label, the voltage is DC12V.

Use the device in the required temperature and humidity environment. The ambient temperature of the camera ranges from 0 ° C to +40 ° C, and the humidity is less than 90%. Prevent foreign bodies from entering the equipment and corrosive liquid from splashing on the equipment to prevent danger

During transportation, storage and installation, heavy weight, violent vibration and immersion should be prevented from damaging the product.

Do not disassemble the camera without permission. The relevant work should be carried out by qualified maintenance personnel.

Avoid pointing the camera at bright objects, such as the sun, lights, etc.

Use a dry, soft cloth to clean the camera case. In case of stubborn dirt, use a neutral cleaner to wipe the camera case.

Do not use strong or abrasive cleaners to avoid chafing the camera casing and lens and affecting image quality.

## Catalogue

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## —、Product overview

1. 1/1.8 Exmor RS CMOS;
2. Lens caliber 105mm, large light intake;
3. Super wide Angle, 92 diagonally and 85 horizontally;
4. Servo motor high speed head, translation and pitching speed: speed 0.1 ~300 / s;
5. 12x optical zoom;
6. Full HD 1920 1080 video output,HD4K and SDI interface;
7. Audio XLR 2 input with 48V phantom power supply, embedded audio;
8. KINIVE Control and transmission system: a 75- $\omega$  coaxial cable loads and transmits five signals for HD-SDI full HD video + audio +PTZ control +TALLY+ power supply;
9. Application: studio education recording media live multi-camera shooting;
10. Size :160mm 155mm 230mm; Weight: About 3.7kg

## 二、Connection specification



Instructions for use:

Both MIC1 and MIC2 Canon audio inputs can be used only when the power switch is turned on

The external power supply is 12DC, DC10.8V to 13.2V

SDI/POC output supports video signal + PTZ control + audio + TALLY + Powered HD4K for digital video output

The external control protocol supports RS232/RS485

POE function is not available for this model

### 三、Camera debugging instructions

#### (一) the Settings menu of the camera

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



| CAMERA      |        |      |
|-------------|--------|------|
| ZOOMDISPLAY | 缩放显示   | OFF  |
| FOCUS MODEL | 对焦模式   | AUTO |
| IRIS MODE   | 自动光圈   | AUTO |
| IRIS LEVEL  | 光圈级别   | —    |
| BOX ADJUST  | 箱型调整   | >    |
| AF LEVEL    | 自动对焦电平 | 6    |
| MAIN MENU   | 主菜单    | >    |
| RETURN      | 返回     | >    |

2.Select (MAIN MENU) The main menu button, as shown in the following figure

| MENU菜单    |      |        |
|-----------|------|--------|
| IRIS      | 光圈   | ELC    |
| FOCUS ADJ | 对焦调整 | OFF    |
| EXPOSURE  | 曝光模式 | ┘      |
| BACKLIGHT | 逆光补偿 | OFF    |
| DAY&NIGHT | 彩转黑  | COLOR  |
| COLOR     | 彩色   |        |
| DNR       | 超级降噪 | MIDDLE |
| IMAGE     | 图像   | ┘      |
| DIS       | 模拟   | OFF    |
| MOTTON    | 移动监测 | OFF    |
| SYSTEM    | 系统   | ┘      |
| EXIT      | 退出   |        |

## （二） One key white balance of the camera control system

1. First, point the camera lens connected to the broadcasting machine at the white wall white paper or professional color correcting paper (the whiter the better).
2. Click the OK button of the all-in-one recorder to enter the setting menu of the camera

| CAMERA      |        |      |
|-------------|--------|------|
| ZOOMDISPLAY | 缩放显示   | OFF  |
| FOCUS MODEL | 对焦模式   | AUTO |
| IRIS MODE   | 自动光圈   | AUTO |
| IRIS LEVEL  | 光圈级别   | —    |
| BOX ADJUST  | 箱型调整   | >    |
| AF LEVEL    | 自动对焦电平 | 6    |
| MAIN MENU   | 主菜单    | >    |
| RETURN      | 返回     | >    |

3.After entering the MAIN MENU button, move the cursor to COLOR through the arrow keys, as shown in the figure below

| MENU菜单    |      |        |
|-----------|------|--------|
| IRIS      | 光圈   | ELC    |
| FOCUS ADJ | 对焦调整 | OFF    |
| EXPOSURE  | 曝光模式 | ↵      |
| BACKLIGHT | 逆光补偿 | OFF    |
| DAY&NIGHT | 彩转黑  | COLOR  |
| COLOR     | 彩色   |        |
| DNR       | 超级降噪 | MIDDLE |
| IMAGE     | 图像   | ↵      |
| DIS       | 模拟   | OFF    |
| MOTTON    | 移动监测 | OFF    |
| SYSTEM    | 系统   | ↵      |
| EXIT      | 退出   |        |

4.Enter COLOR menu, select PRESET, press OK key

| COLOR      |        |
|------------|--------|
| AWB        | PRESET |
| COLOR GAIN | 10     |
| COLOR ADJ  | ↵      |
| RETURN     | ↵      |

| COLOR      |         |
|------------|---------|
| AWB        | PUSHING |
| COLOR GAIN | 10      |
| COLOR ADJ  | ↵       |
| RETURN     | ↵       |

Click OK button to display the system is adjusting color in pushing, pushing is completed, display preset white balance color correction is completed.

5.Press RETURN to return to "MENU"

| COLOR      |        |
|------------|--------|
| AWB        | PRESET |
| COLOR GAIN | 10     |
| COLOR ADJ  | ↵      |
| RETURN     | ↵      |

6.Press EXIT again to return to the "CAMERA" setting

| MENU菜单    |      |        |
|-----------|------|--------|
| IRIS      | 光圈   | ELC    |
| FOCUS ADJ | 对焦调整 | OFF    |
| EXPOSURE  | 曝光模式 | ┘      |
| BACKLIGHT | 逆光补偿 | OFF    |
| DAY&NIGHT | 彩转黑  | COLOR  |
| COLOR     | 彩色   | ┘      |
| DNR       | 超级降噪 | MIDDLE |
| IMAGE     | 图像   | ┘      |
| DIS       | 模拟   | OFF    |
| MOTTON    | 移动监测 | OFF    |
| SYSTEM    | 系统   | ┘      |
| EXIT      | 退出   |        |

7.Use arrow keys to move and press RETURN to exit the setting screen

| CAMERA      |        |      |
|-------------|--------|------|
| ZOOMDISPLAY | 缩放显示   | OFF  |
| FOCUS MODEL | 对焦模式   | AUTO |
| IRIS MODE   | 自动光圈   | AUTO |
| IRIS LEVEL  | 光圈级别   | —    |
| BOX ADJUST  | 箱型调整   | >    |
| AF LEVEL    | 自动对焦电平 | 6    |
| MAIN MENU   | 主菜单    | >    |
| RETURN      | 返回     | >    |

(三) 、 camera AF LEVEL (Auto focus level) setting

AFLEVEL can be set using arrow keys. The aflevel ranges from 1 to 6. The higher the number, the higher the sensitivity

| CAMERA      |        |      |
|-------------|--------|------|
| ZOOMDISPLAY | 缩放显示   | OFF  |
| FOCUS MODEL | 对焦模式   | AUTO |
| IRIS MODE   | 自动光圈   | AUTO |
| IRIS LEVEL  | 光圈级别   | —    |
| BOX ADJUST  | 箱型调整   | >    |
| AF LEVEL    | 自动对焦电平 | 6    |
| MAIN MENU   | 主菜单    | >    |
| RETURN      | 返回     | >    |

(四) 、 ZOOM DISPLAY(Zoom display) Settings

1.The factory setting of the integrated camera is OFF

| CAMERA      |        |      |
|-------------|--------|------|
| ZOOMDISPLAY | 缩放显示   | OFF  |
| FOCUS MODEL | 对焦模式   | AUTO |
| IRIS MODE   | 自动光圈   | AUTO |
| IRIS LEVEL  | 光圈级别   | —    |
| BOX ADJUST  | 箱型调整   | >    |
| AF LEVEL    | 自动对焦电平 | 6    |
| MAIN MENU   | 主菜单    | >    |
| RETURN      | 返回     | >    |

2. This option is mainly used to display the lens zoom multiple in the screen, which can be divided into two states: On and off

| CAMERA      |        |      |
|-------------|--------|------|
| ZOOMDISPLAY | 缩放显示   | ON   |
| FOCUS MODEL | 对焦模式   | AUTO |
| IRIS MODE   | 自动光圈   | AUTO |
| IRIS LEVEL  | 光圈级别   | —    |
| BOX ADJUST  | 箱型调整   | >    |
| AF LEVEL    | 自动对焦电平 | 6    |
| MAIN MENU   | 主菜单    | >    |
| RETURN      | 返回     | >    |

#### (五)、Wide dynamic mode

1. Turn off the BACKLIGHT in normal light. The system is also off by default

| MENU菜单    |      |        |
|-----------|------|--------|
| IRIS      | 光圈   | ELC    |
| FOCUS ADJ | 对焦调整 | OFF    |
| EXPOSURE  | 曝光模式 | ↓      |
| BACKLIGHT | 逆光补偿 | OFF    |
| DAY&NIGHT | 彩转黑  | COLOR  |
| COLOR     | 彩色   | ↓      |
| DNR       | 超级降噪 | MIDDLE |
| IMAGE     | 图像   | ↓      |
| DIS       | 模拟   | OFF    |
| MOTTON    | 移动监测 | OFF    |
| SYSTEM    | 系统   | ↓      |
| EXIT      | 退出   |        |

2.Open Wide Dynamic (WDR) mode using left and right arrow keys in complex light environments

| MENU菜单    |      |        |
|-----------|------|--------|
| IRIS      | 光圈   | ELC    |
| FOCUS ADJ | 对焦调整 | OFF    |
| EXPOSURE  | 曝光模式 | ┘      |
| BACKLIGHT | 逆光补偿 | WDR    |
| DAY&NIGHT | 彩转黑  | COLOR  |
| COLOR     | 彩色   | ┘      |
| DNR       | 超级降噪 | MIDDLE |
| IMAGE     | 图像   | ┘      |
| DIS       | 模拟   | OFF    |
| MOTTON    | 移动监测 | OFF    |
| SYSTEM    | 系统   | ┘      |
| EXIT      | 退出   |        |

Note: If the lighting layout environment is complex, such as backlight or highlighted environment, it is recommended to use wide dynamic mode for adjustment. This function can optimize the picture in the complex light environment to enhance the picture clarity and reduce the spot effect. Different special lighting environments may present different adjustment effects

It is recommended that this option be turned off in normal lighting environments

The commonly used debugging functions of the camera are as follows :1 lens multiple display 2 manual white balance 3 focus speed adjustment 4 wide dynamic mode in special environment. Other options are not recommended for debugging by the customer

If the camera cannot be used normally or the parameters are abnormal, you are advised to restore the default values

#### 四、 Packing list

When opening the package, please check all the attachments that came with it.



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

## 五、 After-sales service

Dear users, in order to ensure that you fully enjoy the quality service, please carefully read the following product service regulations.

### **The company provides limited warranty and lifetime repair service.**

1. The warranty period is 12 months from the date of sale. During the limited warranty period, you will enjoy free warranty service for product faults, which will be repaired by the user or sent to the company (faults caused by improper use, human failure or irresistible causes are not covered by the warranty).

2. In the limited warranty period of more than 12 months, the fault of the product will be paid lifetime maintenance service.

### **Maintenance response time**

1. From the date when users send products to the company, 24-hour response service, switchboard telephone: +86 010-58732647。
2. Before sending the product back to our company, please contact the relevant technical personnel of our company in advance and then send

the product back to our company. Otherwise, the maintenance is not timely, so as not to affect your use.

1.