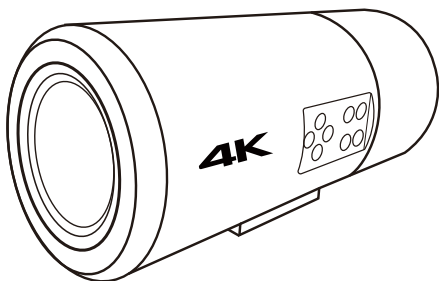




# Quick Start Guide

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## 4K Field Video Camera



### Instructions for Use

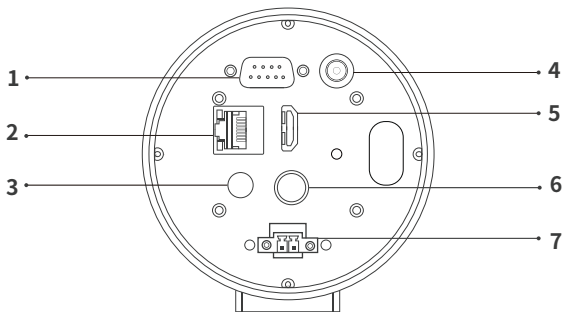
Before operating the unit, please read this manual thoroughly and retain it for future reference

**NDI** is a registered trademark of the Vizrt Group

# 1. Packing list

Item	Unit	Quantity
4K Field Video Camera	PCS	1
Power Adapter	PCS	1
Quick Start Guide	PCS	1
HDMI Cable	PCS	1

# 2. Device Interface Description



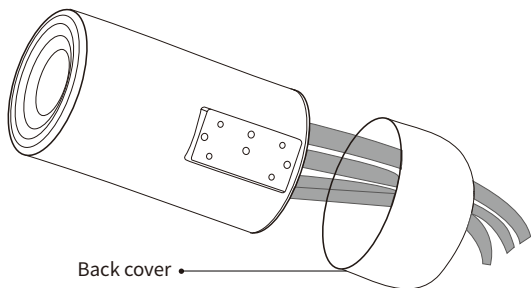
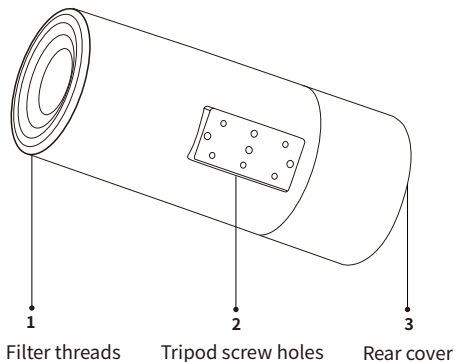
(The back cover is removed)

1	RS232 Connector	5	HDMI Output
2	LAN/PoE+ / NDI®   HX3	6	SDI Output
3	3.5mm Audio Input	7	RS485/422 Connector
4	DC 12V		

### 3. Installation and connection

#### 1) Equipment Installation

Attach the unit to the mounting arm and secure it using the tripod screw holes on the bottom of the device to the mounting arm.

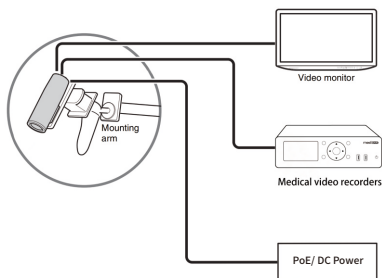


Remove the back cover, thread the cable and the provided wire rope through the back cover, and connect them to the rear of the device as shown.

## 2) Example system configuration

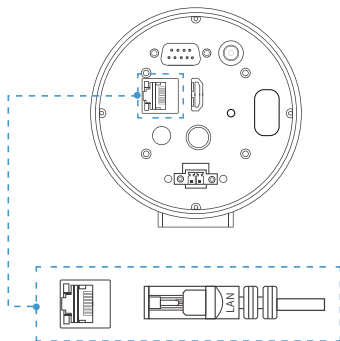
MediCam can be combined with MediDVR, monitors and other equipment to form a personalized system. For example, users can use the keyboard, panel buttons, computer, tablet, etc. to set the white balance, exposure, focus, and image parameters of MediCam.

System configuration diagram:



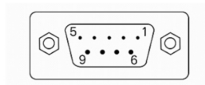
## 3) Connect Network

Connect the MediCam to a network with router or DHCP capability using a network cable.



#### 4) Connector

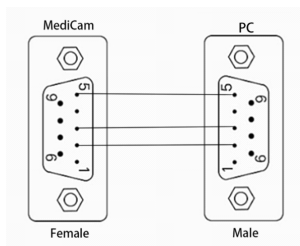
(1) The RS232 pin definition is as follows:



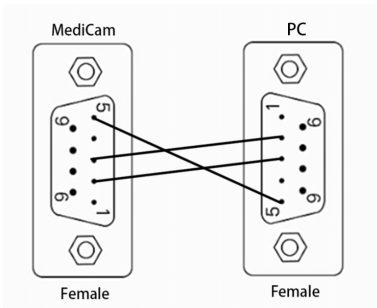
Female		
1	DCD	Carrier Detect
2	TXD	Transmit Data
3	RXD	Receive Data
4	DTR	Data Terminal Ready
5	GND	System Ground
6	DSR	Data Set Ready
7	RTS	Request to Send
8	CTS	Clear to Send
9	RI	Ring Indicator

To ensure that RXD on one end is connected to TXD on the other end, please first check the RS232 interface of the controlling device.

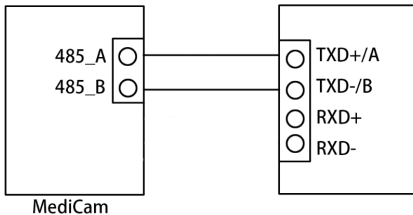
If the RS232 interface of the controlling device is male, please select direct connection. The connection method is as shown in the figure below:



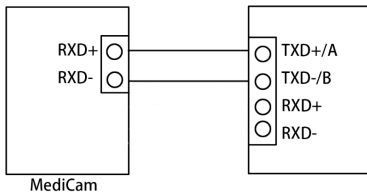
If the RS232 interface of controlling device is female, a cross connection is required. The connection method is as shown in the figure below:



(2) For the RS485 interface, please select the direct connection method for connection. The connection method is as shown in the figure below:



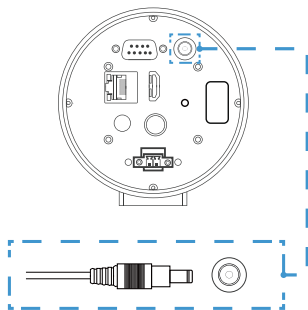
(3) For the RS422 interface, please select the direct connection method for connection. The connection method is as shown in the figure below



## 5) Connect Power Supply

### (1) DC Power Supply

After the DC power adapter supplies power to the MediCam, the status indicator will light up.



### (2) PoE power supply

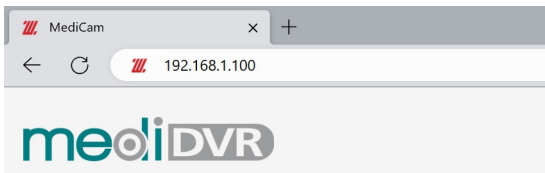
MediCam can also be powered over Ethernet (PoE/PoE+) without a power adapter. If powered by PoE, a network cable must be connected to a PoE network switch with at least CAT5e cable.

## 6) Login the Web Console

MediCam provides four convenient and fast ways to log in to the web control interface.

### (1) IP address

MediCam's DHCP is on by default. Please connect the HDMI/ SDI output to the monitor, the IP address will be automatically displayed in the upper left corner for a period of time after MediCam is turned on; or click the MENU button to call out the OSD menu instantly to check the IP address. Input the IP address in the browser of mobile phones or computers in the same LAN to login the web control interface.



## (2) Login to MediCam by mDNS

Please enter `http://medicam-xxxxx.local` in your computer or mobile phone browser

### 4K Field Video Camera

Model: MediCAM P/N: 30631-513

Input: DC 12V 2A



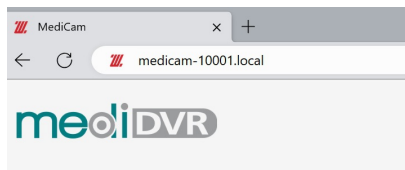
SZ4323B10001

URL: `http://medicam-10001.local`

Fail-safe IP Addr: 192.168.5.168

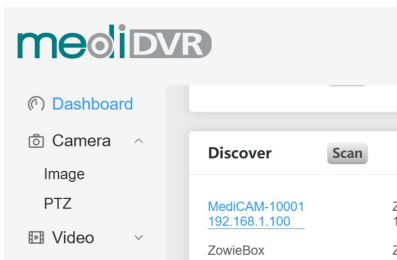
User Name: admin Password: admin

MADE IN CHINA



## (3) Log in to MediCam by device discover

If you already have MediCam or ZowieBox, you can also log in to the new MediCam by device discover, log in to the web control page, and click "**Setting->Dashboard**" to use the discovery function. After clicking "Scan", find the serial number of the device that matches with the new MediCam label and click it to the web control interface of the device.





#### (4) Fail-safe IP

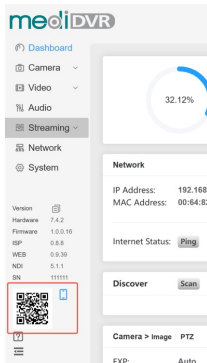
When the connected network does not have DHCP function, when MediCam is directly connected to the computer via a network cable, or other unknown errors occur, the IP of MediCam will change to a failsafe IP (192.168.5.168). Please add 192.168.5.x network segment to your computer to log in the web control interface. For detailed configuration, please refer to the user manual.

#### Notes:

User name: admin; Password: admin

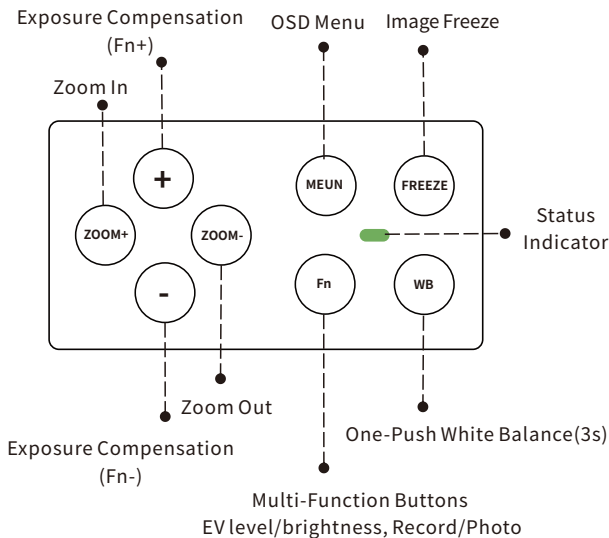
#### (5) Control from your iPad or iPhone

If users need to use mobile phone to log in the web control interface after logging in the web control interface on the computer side, please make sure that the mobile phone and MediCam are in the same LAN, and scan the QR code at the bottom left corner of the web page to log in the web control interface.



## 4. Operation Interface

## 1) Buttons



## 2) Multi-Function

Pressing the Fn button allows you to use +/- for different operations, as shown in the table below:

FN	+	-
EV level (Default)	Increase EV level	Decrease EV level
Brightness	Increase brightness	Increase brightness
Record/Photo	Start/End record	Take photo
Manual focus	Far	Near

## 3) Status Indicator

The working status of MediCam can be obtained according to different colours.

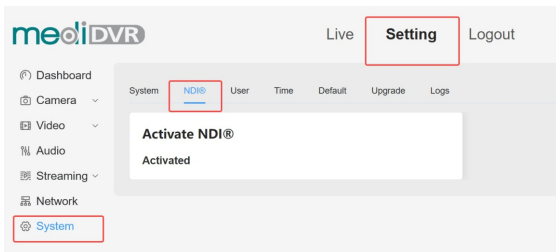
Colours	Meaning
Red	1. Powering on 2. Fatal failure
Yellow	1. Upgrading 2. Sleeping 3. Recoverable failure 4. Lens Self-Checking
Green	Normal Working
Green Flash	Short press the button
Green Flashing	Long press the button

## 5. Encoding Mode

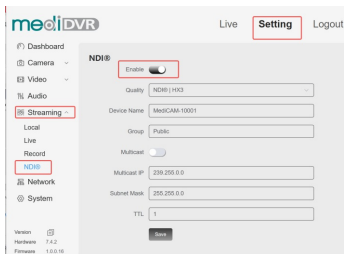
### 1) NDI Mode

MediCam has two working modes, normal encoding mode, and NDI encoding mode. It supports up to 4k30 output and encoding; supports encoding RTSP, RTMP(S), SRT and NDI (HX/HX2/HX3) streams.

To switch to NDI encoding mode, please login the web control interface and click "**Setting-> System-> NDI**" to make sure NDI is activated.



After logging into the web control interface, click "**Setting->Streaming->NDI**" to open the NDI button and reboot to enable NDI encoding mode.



## 2) NDI Connection

Compatible software:



After MediCam is switched to NDI encoding mode, it supports most of NDI software to discover MediCam automatically in the same LAN, for example, selecting the device you need to play directly in NDI 5 Tool.



### Notes:

If the computer cannot search all NDI settings:

- Check when your computer can log in MediCam's web control interface.
- Please close the VPN and other related software.
- Please check whether you are using a private network or

public network, and check whether all NDI software is allowed to pass through the "**Allow an app through the firewall**".

## 🔒 Firewall & network protection

Who and what can access your networks.

### 🏠 Domain network

Firewall is on.

### 🏡 Private network (active)

Firewall is on.

### 🌐 Public network

Firewall is on.

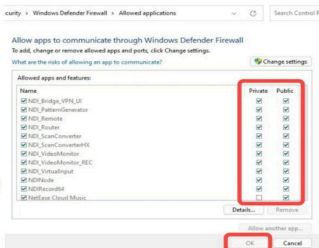
**Allow an app through firewall**

Network and Internet troubleshooter

Firewall notification settings

Advanced settings

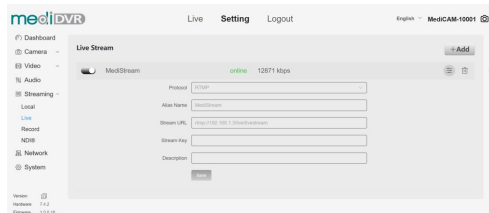
Restore firewalls to default



## 6. Local Stream

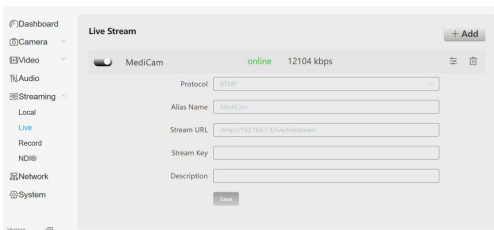
Through local streaming, users can view the effect of encoding settings in real time on the same LAN.

- 1) Click "**Streaming->Local**" in the web control interface.
- 2) Click the icon on the right to copy the address of the primary or secondary stream.



## 7. Internet Stream

- 1) Click "**Streaming->Live**" on the webpage.
- 2) Click "**+Add**" to create a new network streaming task.
- 3) Select the same protocol as the streaming address , enter the streaming address and key, and you can skip the streaming key.
- 4) Entering the name of the network flow task and click save, the name will be shown in the preview interface for operation.
- 5) Turn on the Push Stream button to start pushing stream.



## 8. Restore Factory Settings and Reboot

- 1) Restart MediCam  
Click "**System->Default->Restart**" in the web control interface.
- 2) Restore MediCam to factory settings:
  - (1) Click "**System->Default->Restore factory default settings**" in the web control interface.
  - (2) Click the panel button MENU to bring up the OSD and select Restore Factory Settings.

## 9. Firmware Upgrading

- 1) Click "**System->Upgrade**" in the web control interface.

- 2) Click to select the file to upload the correct firmware.
- 3) Click to upgrade.

**Notes:**

After clicking Upgrade, MediCam will be automatically upgraded and rebooted. This process will take a few minutes. During this period, please keep the network of MediCam smooth and stable power supply, otherwise it will lead to upgrade failure.

## 10. Warranty

We offer your 4K Field Video Camera:

**18 months hardware warranty**  
**Lifetime software maintenance**

For answers to FAQs and information, please visit:

 <https://www.zowietek.com/knowledge-base>

 <https://www.zowietek.com/>

Or contact us:

 [support@zowietek.com](mailto:support@zowietek.com)

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