Key Feature

4K Ultra HD video recording (H.264 high profile + AAC), it supports the following video resolution:

    4096x2160@24fps

    3840x2160@30fps

    1920x1080@60fps

    1920x1080@30fps

    1280x720@60fps

    848x480@30fps (a.k.a WVGA)

16M photo capture with JPEG/JPEG + DNG Raw output format

Photo time lapse supported

Photo burst speed is up to 15fps at 16M resolution

Compatible with MFT lenses, also it has an advance AF algorithm

Wi-Fi supported, it makes easy to access the camera with iOS/Android device

BT 4.0BLE supported, it makes easy to wake up the camera remotely

Lower noise under low light environment

Hardware interface

Mini HDMI

Micro USB, it's used for connecting to PC only.

Audio Line in, user can use a high-end microphone

DC IN (5V 2A). It's used for charging the battery and external power.
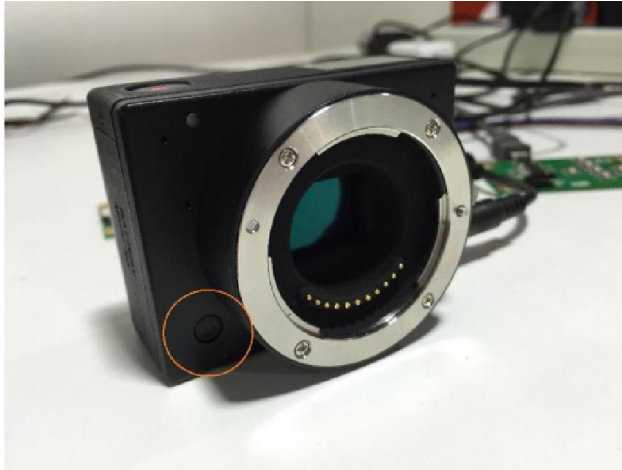
TF card slot, it support the SDXC/SDHC card

Battery, 2000mAh

Function

Power on/off

There is a small button on the front panel. Long press on it will turn on/off the camera.

User button

Press the "Mode switch" button will switch the camera mode under the sequence:

    Video recording

    Playback

    Photo

Quick Menu

Under video/photo mode, press the "Menu" button will show the "Quick Menu".
Use the "Up"/"Down" button to navigate it.

Iris

You can use it to change the iris of the lens.

MF assistant

See the [Manual Focus](#) section

Focus area

You can change the focus area if the camera is under AF mode "Flexible Zone"

Digital Zoom

In early version, it's only available in 1080p30. We will make it work under all resolution.

EV

Entry to main menu

Focus

Auto Focus

There is three auto focus mode:
    Normal
    Flexible Zone
    Face detect
    "Record Menu -> AF mode"
The camera can do continuous AF when it recording, it can make the video always clear.
If you don't need it, you can turn it off. (It can save a lot of power)
    "Record Menu -> Continuous AF -> Off"

Manual Focus

If you don't need the auto focus, you can set the lens to MF mode.

"Record menu -> Focus Method -> MF"

It provides a tool to help you to do the manual focus. It will magnify on the center of image.

"Quick menu -> MF assistant"

Video recording

It has advance MCTF algorithm to reduce the noise especially in low light environment.
To change the resolution, please use the menu:

"Record Menu -> Movie"

Under this mode, we can take a still photo if the record is not running.

"Press 'Down' button to take a snap shot"

Under this mode, if the continuous AF is not running, you can trigger a single AF.

"Press 'Up' button to do a single AF"

Photo

Normally, press the "Capture" button will do a single AF then take a photo.

Under this mode, we can take a photo without AF

"Press 'Down' button to take a photo without doing AF"

Under this mode, you can trigger a single AF without take a photo.

"Press 'Up' button to do a single AF"

DNG RAW

It make is easy to use Adobe's tool (e.g. Lightroom) to do post processing.

"Capture Menu -> Photo quality"

Burst

It support up to 15fps@16M, but it depends on the metering result.

"Capture Menu ->Burst"

Photo time lapse

"Capture Menu -> Photo time lapse"
Note: burst and photo time lapse can NOT work at the same time.

Max exposure time

Playback

It can playback the movie on the camera, also the JPEG can be viewed on camera.
Using the Up/Down button to navigate the files.
Using the Cancel button to delete the file.

Image Quality option

White balance
    Auto, sunny, cloudy, fluorescent, incandescent
ISO
    Auto, up to 12800
Metering mode
-    Average
-    Center
-    Spot
Brightness
Sharpness
Saturation
Contrast

Rotation

If you want to install the camera in a special angle, for example, mount on the roof, the rotation
will help you to take the shot.

Wi-Fi

It has a build-in Wi-Fi , the iOS/Android device can connect to it by Wi-Fi.
The first step to use it is turning the Wi-Fi on.

"Setup Menu -> Wi-Fi -> On"

Secondly, in your iOS/Android device's Wi-Fi setting, connect the smart device to our device.
The default SSID would be "ZCAM-Eagle-xxxx", you can change the SSID to the name you want in the App. Also, the password of the Wi-Fi can be changed in the App.

Once the smart device is connected to the camera, you can use the Z Camera App to do the following job:

- Watch the low delay live streaming from the camera
- Take a video shot or still capture
- Change the camera settings
- Download the video/photo to iOS/Android device
- Manage the files on camera
- Share the photos with your friend

Connecting a Mobile Phone to the Camera's Wi-Fi

1) Tap your mobile phone's "settings" icon and then Wi-Fi. Select the camera's Wi-Fi name.
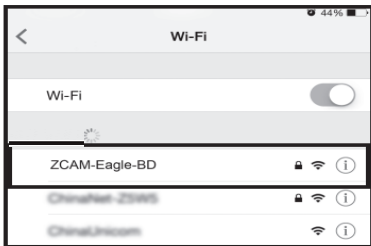
2) Enter the camera's default Wi-Fi passcode: "12345678". Your mobile phone should be connected to the camera's Wi-Fi now.
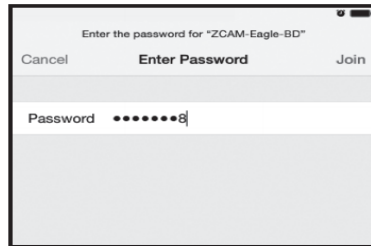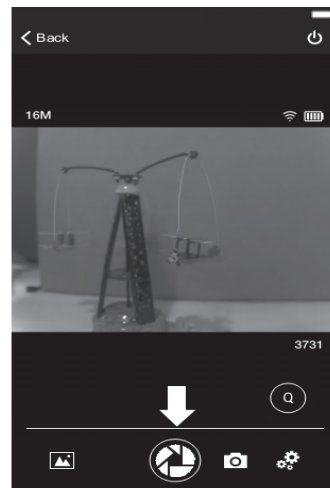
Mobile phone control Shooting

Frame your subject. Once the mobile phone App has been installed and the phone is connected to the camera's Wi-Fi,open the main page of the APP.
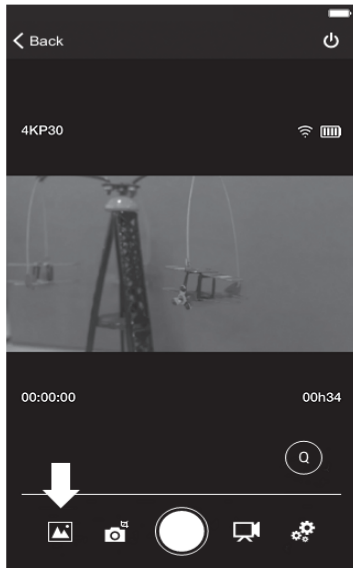
1) Tap the "Control" icon to enter shooting interface
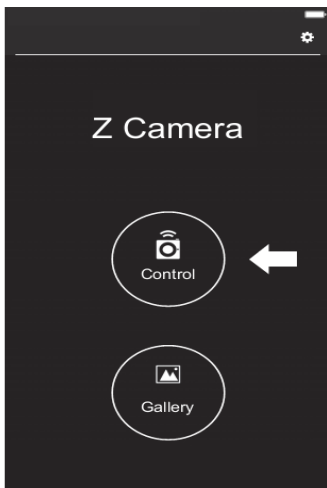
2) Tap on the Shoot icon to start shooting.
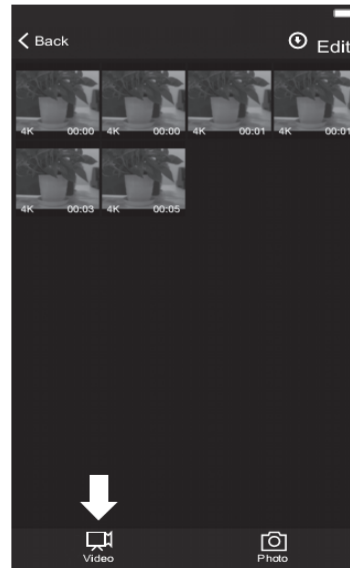(Tap the camera icon to switch to movie mode)
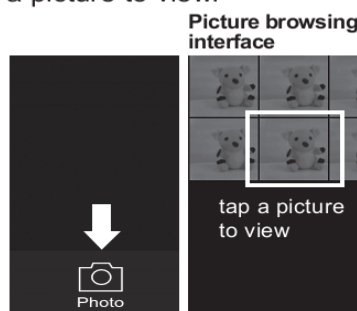
Viewing and Downloading

1) In the App Shoot interface, tap on the photograph icon to access the picture and video browsing interface.

2) Tap on "Video" to access the video browsing interface and tap a video to playback. And then Tap on "Edit" to choose whether to download/delete.

3) Tap on "Photo" to access the picture browsing interface and tap a picture to view.

4) Tap on "Edit" to choose whether to download/save/delete.

Picture browsing interface

tap a picture to view

Parameter Settings

In the App Shoot interface, tapping on the settings icon in the bottom right-hand corner of the screen to access the parameter settings page and make the appropriate parameter adjustments.

Settings page

Back	
Movie	
Movie Format	4KP30
Continous AF	Enable
Shutter Angle	Auto
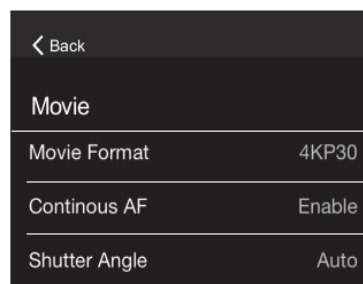
Bluetooth

You can wake up the camera via Bluetooth. Moreover, you can control the camera by Bluetooth.

Firstly, make the camera is advertising state.
"Setup Menu -> Bluetooth -> Advertising -> On"

If you need to change the passcode, use the following menu:
"Setup Menu -> Bluetooth -> Passcode"

The Bluetooth's can't be changed at this stage, you can find it under:
"Setup Menu -> Bluetooth -> Name"

In the Home page of the App, there is a setting button on the upper-right corner. Click it to the setting page. There is a "Bluetooth" section is the setting menu, you can use it to connect to camera via Bluetooth. It will ask you to enter the passcode (see the info above).

You can do the following job in Bluetooth control page:
- Turn on/off camera
- Turn on/off Wi-Fi
- Take video shot or take a photo
- Mode switching

Format card

"Setup Menu -> Format card"

Clear setting

"Setup Menu -> Clear setting"

Flicker reduction

"Setup Menu -> Flicker reduction"

Fn button

You can change the Fn button function in the menu
"Setup Menu -> Fn"

Auto Power Off

To saving the power, the camera will be shut down if it in an idle state for a while.

"Setup Menu -> Auto Power off"

LCD on/off

Short press the button on the front page will turn on/off the LCD.