



# **ZETTA ZIR32**

**INFRARED HD SECURITY CAMCORDER**

**Quick Start Guide**

# Zetta ZIR32 Infrared HD Security Camcorder Quick Start Guide

## Overview

Congratulations on your purchase of Zetta ZIR32 Infrared HD Security camcorder! Zetta ZIR32 is an Infrared HD Security Camcorder with PIR and other triggering functions, infrared night vision and multi auto on/off modes. The camcorder comes with a built-in rechargeable battery which can record up to 24 hours continuous video during typical use and standby for more than 6 months when vibration trigger, external trigger-in or PIR trigger is enabled. By plugging in the 5V DC adapter, it can achieve 64 hours of looped recording for surveillance use.\*

\* Actual life and performance may vary depending upon usage and settings; battery not replaceable.

## Features

**Circular recording** – Also known as “loop recording”. Overwrite recordings once memory card is full.

**Time stamp** – Insert a time stamp onto the video.

**Scheduled recording** – Set the time to automatically turn on / off recording, 7-day circular.

**Vibration-trigger recording** – Select this to record only when vibration is detected.

**Motion-trigger recording** – Select this to record only when motion is detected.

**Voice-trigger recording** – Select this to record only when voice/talk is detected.

**PIR trigger recording** – Select this to record only when body heat is detected. The distance is 3 - 5 meter.

**Infrared night vision** – Select the Infrared night vision can see even in completely dark environment. The distance is 3 - 5 meter.

**External trigger-in** – ZIR32 can be triggered by external device such as smoke detector, vibration detector, door/window sensor, etc. Optionally, ZIR32 can supply power to external device.

**Auxiliary trigger-out** – ZIR32 can trigger external device such as GSM alarm, buzzer, etc. Optionally, ZIR32 can supply power to external device.

**Auto on/off mode** – Select different auto on/off scenarios.

**Selectable day/night mode** – Select day mode or night mode to suit your environment.

**Auto gapless split file** – Splits files without gaps at every 10 / 15 / 20 minutes of recording.

**Orientation** – Use when the camcorder is turned upside-down.

**Selectable resolution** – Select a resolution of 1280x720(720p) or 640x360(360p) video and sound.

**Frame rate adjustment** – Adjust or lower the frame rate to save memory space.

**Configurable video quality** – high / medium / low

**Support max 64GB microSD(TF) card** – For better performance, use a card with class 4 or above and format the card before usage. Check the following link for more information: (<http://zetta.com.hk/files/software/HPUSBDisk.exe>)

## Minimum System Requirements

Windows 2000, XP, Vista, 7, 8, Mac OS X (mass storage class)

Windows Media Player 9

Intel Pentium class computer

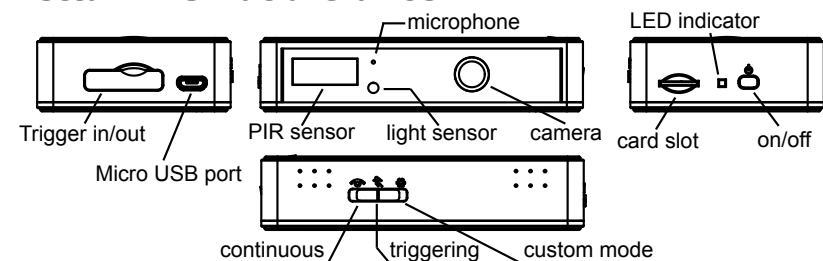
USB 2.0 port for hi-speed transfers and charging

## Package Contents

Please unpack your Zetta ZIR32 Infrared HD Security Camcorder and check that the following are included:

Zetta ZIR32 Infrared HD Security Camcorder  
5V DC Adapter  
USB 2.0 Cable  
Quick Start Guide

## Zetta ZIR32 at a Glance



## Charging

The camcorder comes with an internal rechargeable battery. When using the camcorder for the first time, or if you are using it after a long period of non-usage, remember to fully charge the battery for at least 8 hours and sync the time to DVR again by using the widget (see section “**PC Software Widget**”). You can charge your camcorder by using the USB port of your computer, the DC adapter, or using a car adapter.

To charge the battery through USB port, connect the USB cable to the USB port of the computer and the camcorder. For details, please see the status below. The camcorder will function as a mass storage device, you will not be able to record video at this moment.

To charge the battery through a DC adapter or car adapter, connect the DC adapter or car adapter to the camcorder. For details, please see the **Status** section below. Moreover, you will also be able to record video while charging, depending on the mode you set.

## Recording

The power button is located at the right hand side of the camcorder. It can turn the camcorder on or off.

### Start Recording

Press and hold the Power button until the green LED is on, and then release the button.

When you see the green LED flashing, the camcorder is recording.

If you see otherwise, please read the **Status** section below.

### Stop Recording

Press and hold the Power button until the orange LED is off.

**WARNING: Turn off the camcorder before removing the card!**

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## Status

### Without 5V DC adapter

Green LED on: camcorder is booted up  
 Red LED on: no card, card failed, battery low, or card is full (not in circular recording)  
 Green LED flashing: normal recording  
 Green / Red LED intermittent flashing: battery low and recording

### 5V DC adapter plugged in

ORANGE LED on: charging but no recording  
 Green LED on: charging completed but no recording  
 Green LED flashing: charging completed and recording  
 Green / Orange LED intermittent flashing: charging and recording  
 Red LED on: no card, card failed or card full (not in circular recording)

### Connected to computer

Orange LED on: charging  
 Green LED on: charging completed

## Mode switch

Switch between continuous, triggering and custom modes. The following table shows the default settings.

**Note: For custom mode configuration, please use the PC software Widget to change the settings. The widget can be downloaded from [www.zetta.com.hk](http://www.zetta.com.hk). To make the custom mode settings effective, please put the mode switch to the "custom mode" position before powering up the ZIR32. Run Zetta Widget and in "Option" page, change to "Custom Mode" and then "Save Option". The custom setting can be found in the "Settings" page.**

	Continuous	Triggering	Custom (default)
Video Quality*	High	High	(High) / Medium / Low
Resolution*	1280x720	1280x720	(1280x720) / 640x360
Frame Rate*(1)	High	High	(High) / Low
Indoor Lighting Condition(2)	50Hz	50Hz	(50Hz) / 60Hz
Day/Night Mode(3)	Day mode	Day mode	(Day mode) / Night mode Auto switching
Orientation	Normal	Normal	(Normal) / Up-side-down
Time Stamp	Enable	Enable	(Enable) / Disable
Circular Recording	Enable	Enable	(Enable) / Disable

Split File Time (min)	10	15	(10) / 15 / 20
Mic	Enable	Enable	(Enable) / Disable
LED On/Off	On	On	(On) / Off
PIR-Trigger****(4)	Off	On	Off
Voice-Trigger Sensitivity***(5)	Disable	Disable	High / Medium / Low / (Disable)
Vibration-Trigger Sensitivity***(6)	Disable	Disable	High / Medium / Low / (Disable)
Vibration Standby Mode(7)	Power Saving	Power Saving	Fast Wake Up / (Power Saving)
Motion-Trigger Sensitivity***(8)	Disable	Disable	High / (Medium) / Low / Disable
Ext-Trigger In Contact Type***(9)	Disable	Disable	Normal Close / Normal Open / (Disable)
Aux-Trigger Out Contact Type***(10)	Disable	Disable	Normal Close / Normal Open / (Disable)
Auto On/Off	Disable	Disable	Scheduled Recording / Car-activate Recording / Car-stop Recording / Car-activate or Car-stop Recording / (Disable)

When the ZIR32 is connected to the lighter through the 5V car adapter and the auto on /off mode is selected:

Car-activated Recording: Auto-starts recording once the car is started, auto-stops recording when car is stopped.

Car-stop Recording: Auto-starts recording when car is stopped, auto-stops recording once car is started.

Car-activate and Car-stop Recording: Auto-starts recording once car is started and continues to record even when the car is stopped. The camcorder needs to be turned off manually.

\* For the longest recording time, set Video Quality to Low, Resolution to 640x360 and Frame Rate to Low. This way the ZIR32 can act as a digital voice recorder.

\*\* If a recording is started, you cannot switch between modes.

\*\*\* If triggering is enabled, the ZIR32 will record for 10 seconds after powering-up. Then it will go into standby. If there is a trigger, it will keep recording until there are no further triggers. After that, it will record for 2 more minutes and then standby again.

\*\*\*\* If PIR triggering is enabled, the ZIR32 will record for approximate 40 seconds after powering-up. Then it will go into standby. If there is a trigger, it will keep recording until there are no further triggers. After that, it will record for 2 more minutes and then standby again.

### (1) Frame rate

High: The recording is smooth.

Low: The video changes to slow motion similar to CCTV. It can reduce the file size and save the card memory.

# Zetta ZIR32 Infrared HD Security Camcorder Quick Start Guide

## (2) Indoor Lighting Condition

50Hz: Suitable for Asia\*, Europe, Africa, Australia and South America\*\*  
60Hz: Suitable for North America and South America\*\*

\*In Asia, some countries are using both 50Hz and 60Hz frequency.  
For example, in Japan, Tokyo is 50Hz and Hokkaido is 60Hz.

\*\* In South America, Argentina and Chile are 50Hz. Brazil and Colombia are 60Hz.

For more information about the frequency of other countries, please visit the website:  
<http://www.controlledpwr.com/help-international-voltages.php>

## (3) Day/Night Mode

Night mode: For recording in dark environment, infrared night vision will be automatically turned on.

Auto switching: ZIR32 will switch to "Day mode" or "Night mode" depending on the brightness level of the environment.

Remark:

This device is not considered harmful, but the following precautions are recommended:

1. Avoid direct eye exposure to the infrared LED beam
2. Be aware that the beam is invisible light and cannot be seen
3. Do not attempt to view the infrared LED beam with any types of optical device

## (4) PIR Trigger

Start to record when body heat is detected

## (5) Voice-Trigger Sensitivity

High: Even little sound can trigger recording  
Low: Only substantial sound can trigger recording

## (6) Vibration-Trigger Sensitivity

High: Even little vibration can trigger recording  
Low: Only substantial vibration can trigger recording

## (7) Vibration Trigger Standby Mode

Fast Wakeup: Start to record immediately once vibration is detected  
Power Saving: ZIR32 is completely off until it detects vibration. The standby time can last up to six months.

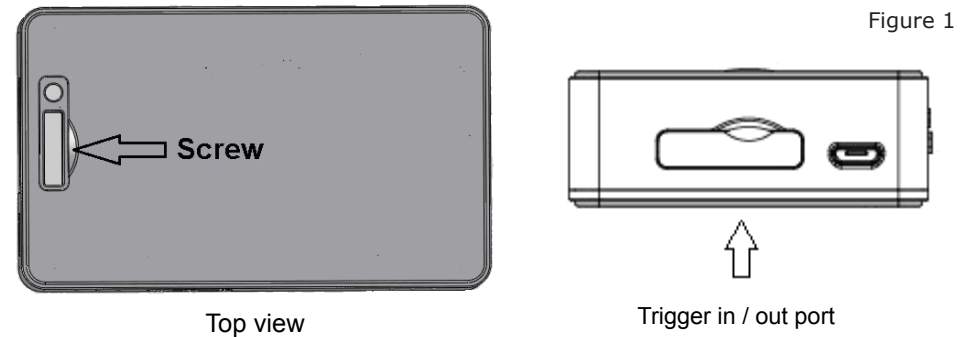
## (8) Motion-Trigger Sensitivity

High: Even little movement can trigger recording  
Low: Only substantial movement can trigger recording

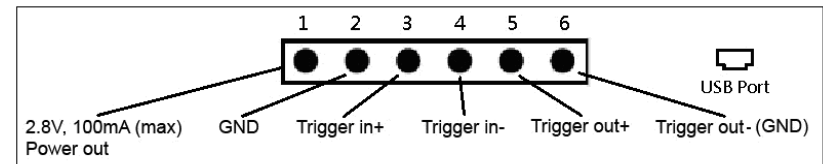
## Trigger In/Out (Support external devices with Normal Open, Normal Close Contact Type)

Application: ZIR32 can connect to external device such as smoke detector, pressure detector, vibration detector and door/window sensor to trigger recording, or GSM alarm and buzzer for alarming function.

### Position



### Pin assignment



- Pin 1: 2.8V, 100mA (max) Power out
- Pin 2: Ground
- Pin 3: ZIR32 Trigger in+
- Pin 4: ZIR32 Trigger in-
- Pin 5: ZIR32 Trigger out+
- Pin 6: ZIR32 Trigger out- (Ground)

### Power out

Function: It can supply power to external device.

- Note:
1. No need to use this power out if the external device has already had its own power supply.
  2. Power out (Pin 1): Voltage is 2.8V. The maximum output current is 100mA.

# Zetta ZIR32 Infrared HD Security Camcorder Quick Start Guide

## (9) A. Ext-Trigger In Contact Type - Normal Open

Instructions:

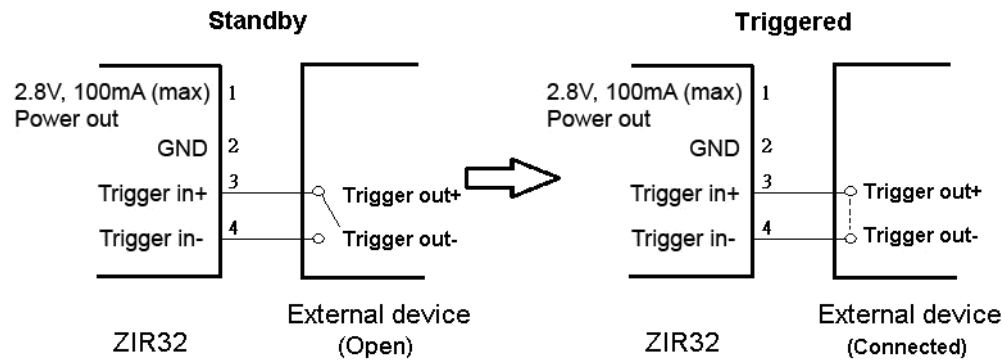
1. Run Zetta Widget->Choose Option-> Custom Mode->Save Option, then choose Settings-> Ext-Trigger In Contact Type-> Normal Open and press Sync Settings to DVR
2. Put the mode switch to the custom mode position
3. Connect ZIR32 to the external device (suggest using AWG26 wire). The connector screw is on the top of ZIR32.

ZIR32 Trigger in + (Pin3) should connect to external device Trigger out +.  
ZIR32 Trigger in - (Pin4) should connect to external device Trigger out -.

4. Turn on ZIR32 after connecting the wire correctly.

Operation:

Figure 3



### Standby

If no trigger is detected by external device, the trigger out of external device will be kept open. ZIR32 operates in standby mode.

### Triggered

The external device outputs will be connected after triggering. ZIR32 will start recording immediately at the same time.

## B. Ext-Trigger In Contact Type - Normal Close

Instructions:

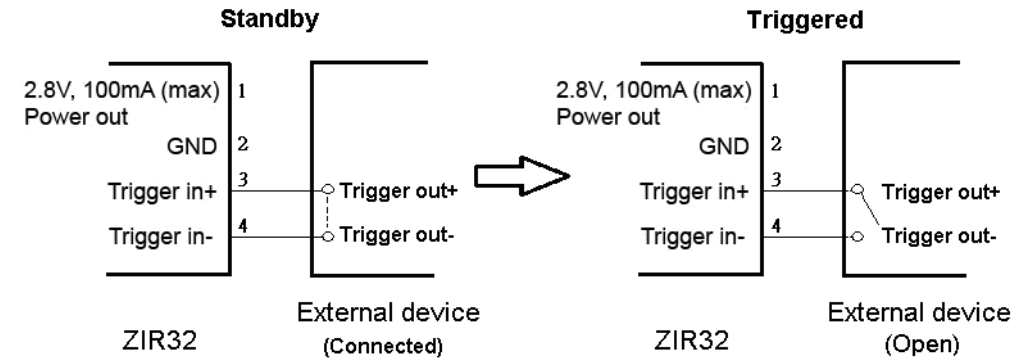
1. Run Zetta Widget->Choose Option-> Custom Mode->Save Option, then choose Settings-> Ext-Trigger In Contact Type-> Normal Close and press Sync Settings to DVR
2. Put the mode switch to the custom mode position
3. Connect ZIR32 to the external device (suggest using AWG26 wire). The connector screw is on the top of ZIR32.

ZIR32 Trigger in + (Pin3) should connect to external device Trigger out +.  
ZIR32 Trigger in - (Pin4) should connect to external device Trigger out -.

4. Turn on ZIR32 after connecting the wire correctly.

Operation:

Figure 4



### Standby

If no trigger is detected by external device, the trigger out of external device will be kept connected. ZIR32 operates in standby mode.

### Triggered

The external device outputs will be opened after triggering. ZIR32 will start recording immediately at the same time.

## (10) A. Aux-Trigger Out Contact Type - Normal Open

Instructions:

1. Run Zetta Widget->Choose Option-> Custom Mode->Save Option, then choose Settings-> Aux-Trigger Out Contact Type-> Normal Open and press Sync Settings to DVR.
2. Put the mode switch to the custom mode position.
3. Connect ZIR32 to the external device (suggest using AWG26 wire). The connector screw is on the top of ZIR32.

ZIR32 Trigger out + (Pin5) should connect to external device Trigger in +.  
ZIR32 Trigger out - (Pin6) should connect to external device Trigger in -.

4. Turn on ZIR32 after connecting the wire correctly.

**Note: 1. Please make sure the voltage input to ZIR32 trigger out + (Pin5) is under 24V and the current is less than 1A.**

**2. Please make sure the current direction is correct. Otherwise, ZIR32 may be damaged.**

# Zetta ZIR32 Infrared HD Security Camcorder Quick Start Guide

Operation:

Figure 5

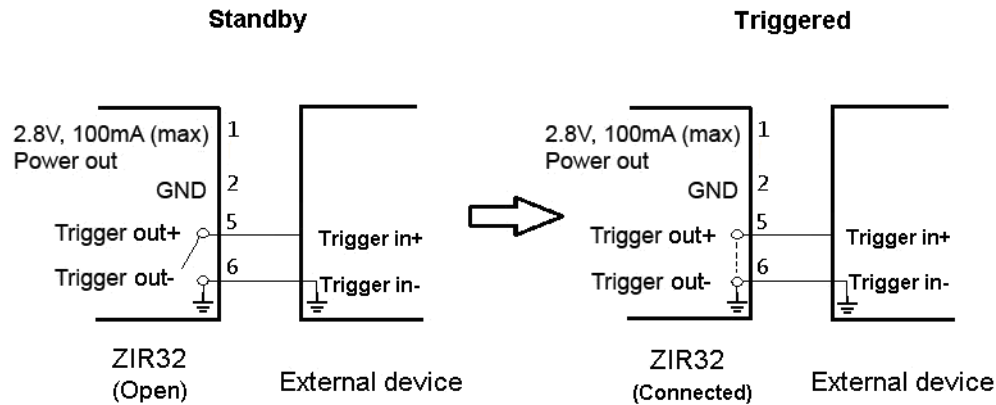
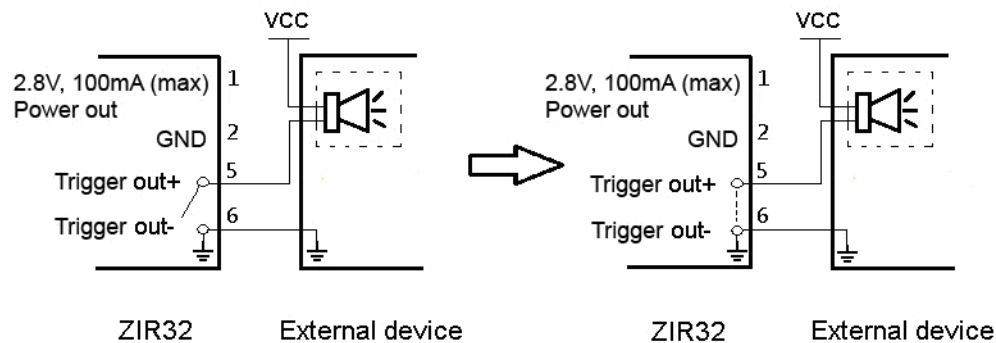


Figure 6

Application: For example, GSM alarm or buzzer



## Standby

The recorder keeps in standby state if there is no any **triggers\***. The trigger output is open.

## Triggered

Whenever ZIR32 is recording or detects any **triggers\***, the trigger outputs will be shorted.

\* **Triggers include voice trigger, motion trigger, vibration trigger, PIR trigger and external trigger-in.**

## B. Aux-Trigger Out Contact Type - Normal Close

Instructions:

1. Run Zetta Widget->Choose Option-> Custom Mode->Save Option, then choose Settings-> Aux-Trigger Out Contact Type-> Normal Close and press Sync Settings to DVR.
2. Put the mode switch to the custom mode position.
3. Connect ZIR32 to the external device (suggest using AWG26 wire). The connector screw is on the top of ZIR32.

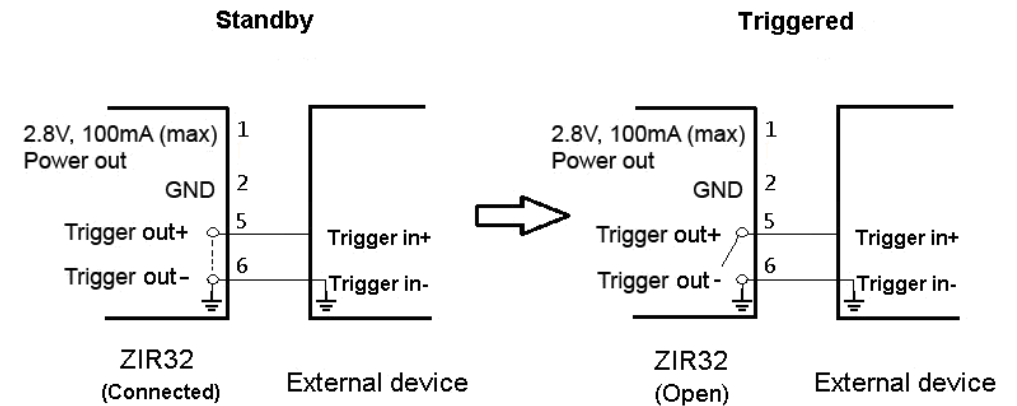
ZIR32 Trigger out + (Pin5) should connect to external device Trigger in +.  
ZIR32 Trigger out - (Pin6) should connect to external device Trigger in -.

4. Turn on ZIR32 after connecting the wire correctly.

**Note: 1. Please make sure the voltage input to ZIR32 trigger out + (Pin5) is under 24V and the current is less than 1A.**  
**2. Please make sure the current direction is correct. Otherwise, ZIR32 may be damaged.**

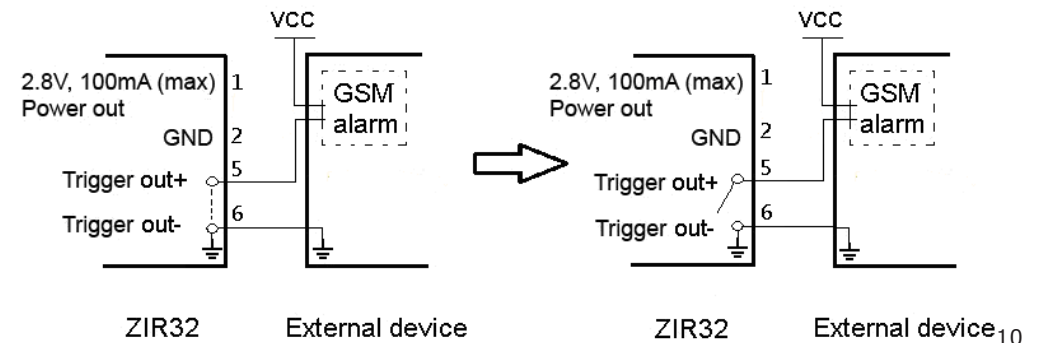
Operation:

Figure 7



Application: For example, GSM alarm or buzzer

Figure 8



# Zetta ZIR32 Infrared HD Security Camcorder Quick Start Guide

## Standby

The recorder keeps in standby state if there is no any **triggers\***. The trigger output is shorted.

## Triggered

Whenever ZIR32 is recording or detects any **triggers\***, the trigger outputs will be opened.

**\* Triggers include voice trigger, motion trigger, vibration trigger, PIR trigger and external trigger-in.**

## PC Software Widget

To synchronize the time and customize settings, download the PC software "Widget" from [www.zetta.com.hk](http://www.zetta.com.hk) and follow the instructions in the software guide.

**Note: 1. If the time shown is year 2026 or beyond due to a loss of Real Time Clock, recording time will not be shown on the video, even if timestamp is enabled. Please use the widget to sync the time to DVR again and remove files created in 2026 or beyond!**

**2. When using Zetta Widget for the first time, express mode is set as default. It has several typical scenarios to choose.**

## Connecting to computer

To connect the camcorder to your computer, follow these instructions:

- 1.Connect the larger end of USB cable into an available USB port on the computer.
- 2.Connect the smaller end of the cable into the USB port of the camcorder.
- 3.The camcorder will appear in **My Computer** as a drive.

## Firmware upgrades

Zetta will from time to time release new firmware for enhancements or adding new features. Visit [www.zetta.com.hk](http://www.zetta.com.hk) to check on the latest firmware for your ZIR32.

## Technical Support

Before contacting us, please visit the "Support" section in <http://www.zetta.com.hk>. For further questions on feature and usage, please contact us at (852) 31884492.

## Environmental Requirements

Storage temperature: 32° to 113°F (0° to 45°C)  
Operating temperature: 32° to 113°F (0° to 45°C)

## FCC Regulation

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.

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 interference to radio or television reception, which can be determined by turning the equipment off and then on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1.Increase the separation between the equipment and camcorder.
- 2.Connect the equipment to a different outlet so that the equipment and camcorder are on different branch circuits.
- 3.Consult the dealer or an experienced radio / TV technician for help.



# Zetta ZIR32 紅外夜視高清安保攝錄機快速入門指南

## 概述

感謝你購買Zetta ZIR32紅外夜視高清安保攝錄機！

Zetta ZIR32紅外夜視高清安保攝錄機，擁有熱能觸發、紅外線夜視、多功能觸發及多種自動開關模式。ZIR32內置充電電池，可攝錄長達24小時有聲影片。當啟動外部輸入觸發、熱能觸發或振動觸發功能時，待機時間可超過6個月。插上5伏變壓器更可64小時循環攝錄。\*

\*實際時間和性能可能會有所不同，取決於環境和設置；電池不可更換。

## 特點

循環攝錄 - 當記憶卡容量不足時自動刪除較早前錄影片段，持續攝錄。

時間標示 - 把時間標籤顯示於視頻內。

時間預錄 - 預校時間自動攝錄，7天循環。

振動觸發攝錄 - 當ZIR32感到振動時才攝錄。

移動觸發攝錄 - 當ZIR32偵測到物體移動時才攝錄。

聲音觸發攝錄 - 當ZIR32偵測到有聲音時才攝錄。

熱能觸發 - 當ZIR32偵測到人體體溫時才攝錄，有效距離約三至五米。

紅外線夜視: ZIR32能在完全黑暗的環境下攝錄，有效距離約三至五米。

外部輸入觸發: 當ZIR32偵測到外置儀器觸發時才攝錄，如煙霧探測器、振動感應器或門/窗開關感應器等。

如有需要，可用ZIR32電源輸出供電給外置儀器使用。

外部輸出觸發: 當啟動了外部輸出觸發後，ZIR32攝錄時可觸發外置儀器工作，如GSM警報器或蜂鳴器等。

如有需要，可用ZIR32電源輸出供電給外置儀器使用。

自動開關模式 - 於不同情況自動開或關。

日間/夜間模式 - 選擇日間/夜間模式來適應你的環境，使影像更清晰。

自動無縫分割文件 - 每10 / 15 / 20 分鐘分割文件，更輕鬆進行傳送。

攝錄方向 - 正常或反轉。

解像度 - 1280 x 720 (720p) 或 640 x 360 (360p) 的視頻。

可調幀率 - 降低幀率，以節省儲存空間。

可調視頻質量 - 高 / 中 / 低

最大支援64GB microSD (TF) 卡 - 想有更好性能，請使用class 4或以上的卡，使用前請以 (<http://zetta.com.hk/files/software/HPUSBDisk.exe> 及 FAT32格式化)

## 最低系統要求

Windows 2000 · XP · Vista · 7 · 8 · Mac OS X ( Mass Storage Device )

Windows Media Player 9

英特爾奔騰級，Mac 或更高級電腦

USB 2.0高速傳輸連接埠

## 包裝內容

請打開你的Zetta ZIR32高清安保攝錄機包裝盒，並檢查下列配件：

Zetta ZIR32 紅外夜視高清安保攝錄機

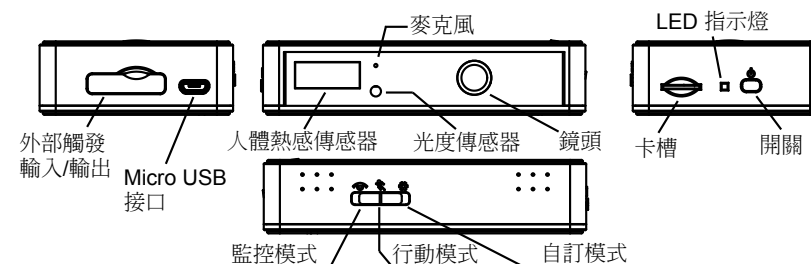
5伏變壓器

USB 2.0連接線

快速入門指南

註: 設置工具不包括在內，請於<http://www.zetta.com.hk>下載

## ZIR32紅外夜視高清安保攝錄機一覽



## 充電

ZIR32配備一顆內置充電電池，第一次使用或不使用ZIR32一段長時間，切記要完全充電8小時以上及使用設置工具，重新同步時間(詳情請見“設置工具Widget”部份)。充電可通過電腦的USB接口或5伏變壓器進行。

要進行USB充電，請將ZIR32用USB線連接到電腦上可用的USB接口，燈號請見“狀態”。當連接到電腦時，你不能攝錄視頻。

另外，將ZIR32連接到5V變壓器，亦可進行充電，燈號請見“狀態”。視乎你的自動開關模式，你還可以同時攝錄視頻。

## 攝錄

電源按鈕位於ZIR32右側。它可開啟或關閉攝錄機。

### 開始攝錄

緊按電源按鈕直到綠色指示燈發亮，然後放手，當你看見綠色指示燈閃爍時，表示正在攝錄，否則請看“狀態”。

### 關機

緊按電源按鈕直到橙色指示燈關閉。

**警告:退出記憶卡前，請關上ZIR32攝錄機!**

## 狀態

### 沒有插入5伏特變壓器

綠色指示燈發亮：ZIR32開啟

綠色指示燈閃爍：正常攝錄

綠色 / 紅色指示燈交替閃爍：低電量攝錄

紅色指示燈發亮：無卡、壞卡、低電量或卡已滿 (不在循環攝錄模式下)

### 插入5伏特變壓器

橙色指示燈發亮：正在充電、沒有攝錄

綠色指示燈發亮：充電完成、沒有攝錄

綠色指示燈閃爍：充電完成並正在攝錄

綠色 / 橙色指示燈交替閃爍：充電並正在攝錄

紅色指示燈發亮：無卡、壞卡或卡已滿 (不在循環攝錄模式下)

### 連接到電腦

橙色指示燈發亮：正在充電

綠色指示燈發亮：充電完成



# Zetta ZIR32 紅外夜視高清安保攝錄機快速入門指南

## 模式

切換監控、行動或自訂模式，下表為出廠設定。

注意: 如要使用自訂模式，請從 [www.zetta.com.hk](http://www.zetta.com.hk) 下載設置工具更改設定，執行設置工具，選擇 選項->簡易模式(預設)->轉成自訂模式->保存選項，於設定頁內有自訂選項，並於開機前將推鍵撥到“自訂模式”才能生效。

	監控	行動	自訂 (默認)
視頻質素*	高	高	(高) / 中 / 低
解像度*	1280x720	1280x720	(1280x720) / 640x360
幀率*(1)	高	高	(高) / 低
室內照明頻率(2)	50Hz	50Hz	(50Hz) / 60Hz / 室外
日間 / 夜間模式(3)	日間模式	日間模式	(日間模式) / 夜間模式 / 自動切換
攝錄方向	正常	正常	(正常) / 反轉
時間標籤	啟用	啟用	(啟用) / 停用
循環攝錄	啟用	啟用	(啟用) / 停用
分割文件時間 (分鐘)	10	15	(10) / 15 / 20
麥克風	啟用	啟用	(啟用) / 停用
LED 顯示燈	亮	亮	(亮) / 不亮
熱能觸發****(4)	停用	啟用	停用
聲量觸發靈敏度*** (5)	停用	停用	大 / 中 / 小 / (停用)
振動觸發靈敏度*** (6)	停用	停用	大 / 中 / 小 / (停用)
振動觸發待機模式(7)	省電	省電	速動 / (省電)
移動觸發靈敏度*** (8)	停用	停用	大 / (中) / 小 / 停用
輸入接點類型*** (9)	停用	停用	常閉 / 常開 / (停用)
輸出接點類型*** (10)	停用	停用	常閉 / 常開 / (停用)
自動開關模式	停用	停用	汽車起動自動攝錄 / 汽車熄火自動攝錄 / 汽車起動及熄火自動攝錄 / 預錄 / (停用)

當ZIR32經5伏特汽車充電器連上點火器，並選用自動開關模式:

汽車起動自動攝錄: 汽車起動自動攝錄，汽車熄火自動關機。

汽車熄火自動攝錄: 汽車熄火自動攝錄，汽車起動自動關機。

汽車起動及熄火自動攝錄: 汽車起動自動攝錄，汽車熄火後仍然攝錄，要手動關機。

\* 如欲有最長攝錄時間，將視頻質量設為低，解像度設為640 x 360及幀率設為低，作用類似數碼錄音機。

\*\* 如攝錄機已開始攝錄，你將不能切換攝錄模式。

\*\*\* 如使用觸發，ZIR32開機後會攝錄10秒，然後待機，若有觸發，攝錄會持續至沒有觸發，並會再攝錄多2分鐘，然後再待機。

\*\*\*\* 如使用熱能觸發，ZIR32開機後會攝錄大約40秒，然後待機，若有觸發，攝錄會持續至沒有觸發，並會再攝錄多2分鐘，然後再待機。

### (1) 幀率

高: 攝錄機能拍下流暢的畫面。

低: 影像變成慢動作，如防盜電視片段，檔案所佔空間較少，能節省記憶用量。

### (2) 室內照明頻率

50Hz: 適用於亞洲\*、歐洲、非洲、澳洲和南美洲\*\*

60Hz: 適用於北美洲和南美洲\*\*

\* 在亞洲，一些國家會同時採用50Hz和60Hz的頻率。

例如在日本、東京是50Hz，而北海道則是60Hz。

\*\* 在南美洲、阿根廷和智利是50Hz，而巴西和哥倫比亞則是60Hz。

有關其他國家所使用的頻率，請參閱以下網頁:

<http://www.controlledpwr.com/help-international-voltages.php>

### (3) 日間 / 夜間模式

夜間模式: 如在較暗的環境下攝錄，紅外夜視會自動開啟。

自動切換: 攝錄機會視乎環境的光暗來轉換“日間”或“夜間”模式。

註:

這產品不會對使用者造成傷害，但建議用家注意以下事項:

1. 避免直視攝錄機內的紅外線
2. 請注意人體的眼睛是看不到紅外光線的
3. 請勿企圖利用其他光學儀器來觀察攝錄機發出的紅外光線

### (4) 熱能觸發

當攝錄機偵測到物體的熱力時才開始攝錄

### (5) 聲量觸發靈敏度

小: 很小的聲音也能觸發攝錄

大: 較大的聲音才能觸發攝錄

### (6) 振動觸發靈敏度

小: 很小的振動也能觸發攝錄

大: 較大的振動才能觸發攝錄

### (7) 振動觸發待機模式

快速起動: 當攝錄機偵測到振動時馬上攝錄

節省電力: 攝錄機會完全關機，待振動時才攝錄，待機時間可長達六個月。

### (8) 移動觸發靈敏度

小: 很小的移動也能觸發攝錄

大: 較大的移動才能觸發攝錄

# Zetta ZIR32 紅外夜視高清安保攝錄機快速入門指南

## 外部觸發 (支援常開、常閉類型外置儀器)

應用: ZIR32可透過連接外置儀器，如煙霧探測器、振動感應器、門/窗開關感應器，來觸發攝錄，或GSM警報器、蜂鳴器來作警報。

### 位置

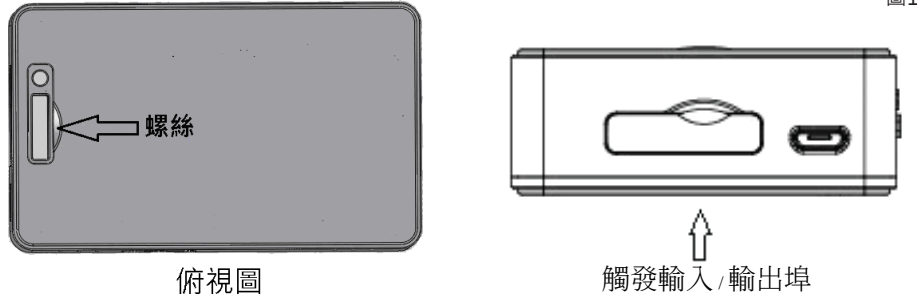


圖1

### 引腳分配

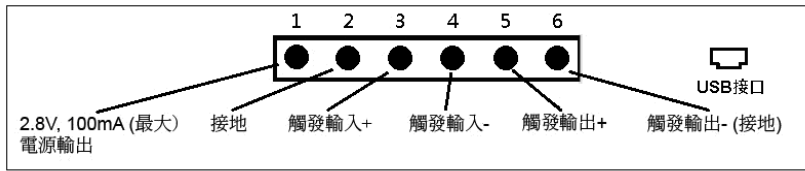


圖2

- 腳 1: 2.8伏特，100毫安 (最大電流) 電源輸出
- 腳 2: 接地
- 腳 3: ZIR32觸發輸入+
- 腳 4: ZIR32觸發輸入-
- 腳 5: ZIR32觸發輸出+
- 腳 6: ZIR32觸發輸出- (接地)

### 電源輸出

作用: 可用來供電給外置儀器。

注意: 1. 如外置儀器原本已連接電源，則不用理會。

2. 電源輸出 (腳 1): 電壓是2.8伏特，最大輸出電流是100毫安。

### (9) A. 輸入接點類型 - 常開

使用方法:

1. 執行設置工具->選擇 選項->自訂模式->保存選項，於設定內選擇輸入接點類型->常開，並按 更新攝錄機設定。
2. 把檔掣推至自訂模式。
3. 連接ZIR32 及 外置儀器 (建議使用AWG26線)，連接座螺絲在ZIR32的頂部。  
“ZIR32觸發輸入+ (腳3)” 應連接“外置儀器 觸發輸出+”。
- “ZIR32觸發輸入- (腳4)” 應連接“外置儀器 觸發輸出-”。
4. 當電線正確連接後，啟動攝錄機。

工作原理:

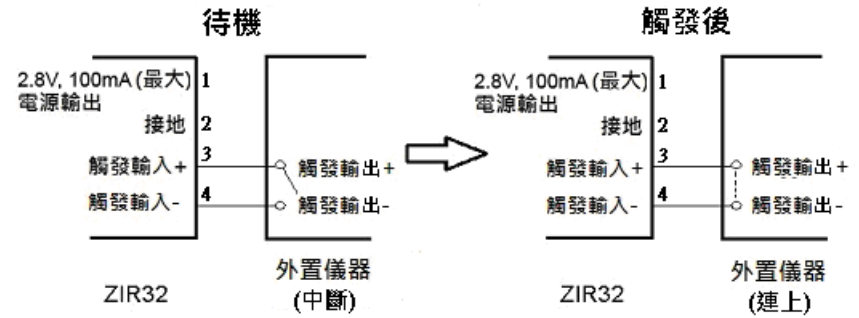


圖3

待機

如果外置儀器沒有偵測到觸發，外置儀器觸發輸出會保持中斷，ZIR32會在待機狀態。

觸發後

當外置儀器偵測到觸發，外置儀器觸發輸出會連上，ZIR32會馬上攝錄。

### B. 輸入接點類型 - 常閉

使用方法:

1. 執行設置工具->選擇 選項->自訂模式->保存選項，於設定內選擇輸入接點類型->常閉，並按 更新攝錄機設定。
2. 把檔掣推至自訂模式
3. 連接ZIR32 及 外置儀器 (建議使用AWG26線)，連接座螺絲在ZIR32的頂部。  
“ZIR32觸發輸入+ (腳3)” 應連接“外置儀器 觸發輸出+”。
- “ZIR32觸發輸入- (腳4)” 應連接“外置儀器 觸發輸出-”。
4. 當電線正確連接後，啟動攝錄機。

工作原理:

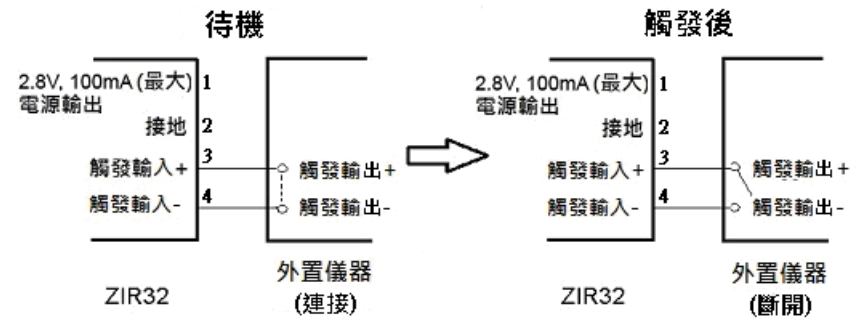


圖4

## 待機

如果外置儀器沒有偵測到觸發，外置儀器觸發輸出會保持連接，ZIR32會在待機狀態。

## 觸發後

當外置儀器偵測到觸發，外置儀器觸發輸出會斷開，ZIR32會馬上攝錄。

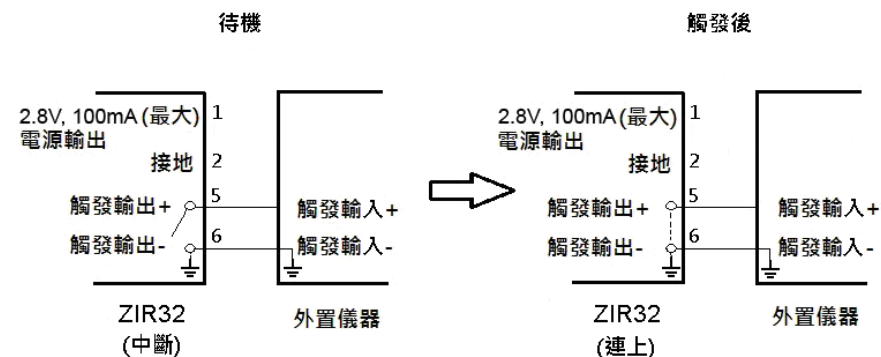
### (10) A. 輸出接點類型 - 常開

使用方法:

1. 執行設置工具->選擇 選項->自訂模式->保存選項，於設定內選擇輸出接點類型->常開，並按 更新攝錄機設定。
2. 把檔掣推至自訂模式。
3. 連接ZIR32及外置儀器(建議使用AWG26線)，連接座螺絲在ZIR32的頂部。  
“ZIR32觸發輸出+ (腳5)” 應連接“外置儀器 觸發輸入+”。  
“ZIR32觸發輸出- (腳6)” 應連接“外置儀器 觸發輸入-”。
4. 當電線正確連接後，啟動攝錄機。

注意: 1. 請確保ZIR32觸發輸出+ (腳5)的電壓須低於24伏特及小於1安培電流。  
2. 請確保電流方向正確，否則ZIR32可能會損壞。

工作原理:



應用: 如GSM警報器或蜂鳴器

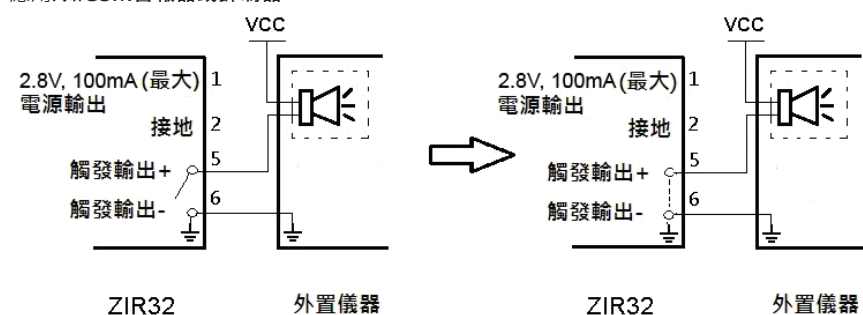


圖5

圖6

## 待機

當ZIR32攝錄機未偵測到觸發\*，攝錄機在待機的狀態，觸發輸出的開關會中斷。

## 觸發後

每當ZIR32攝錄時，無論是開機還是受到觸發\*，攝錄機會開始錄影，觸發輸出的開關會連上。

\*觸發包括聲量觸發、移動觸發、振動觸發、熱能觸發和外部輸入觸發。

### B. 輸出接點類型 - 常閉

使用方法:

1. 執行設置工具->選擇 選項->自訂模式->保存選項，於設定內選擇輸出接點類型->常閉，並按更新攝錄機設定。
2. 把檔掣推至自訂模式。
3. 連接ZIR32及外置儀器(建議使用AWG26線)，連接座螺絲在ZIR32的頂部。  
“ZIR32觸發輸出+ (腳5)” 應連接“外置儀器 觸發輸入+”。  
“ZIR32觸發輸出- (腳6)” 應連接“外置儀器 觸發輸入-”。
4. 當電線正確連接後，啟動攝錄機。

注意: 1. 請確保ZIR32觸發輸出+ (腳5)的電壓須低於24伏特及小於1安培電流。  
2. 請確保電流方向正確，否則ZIR32可能會損壞。

工作原理:

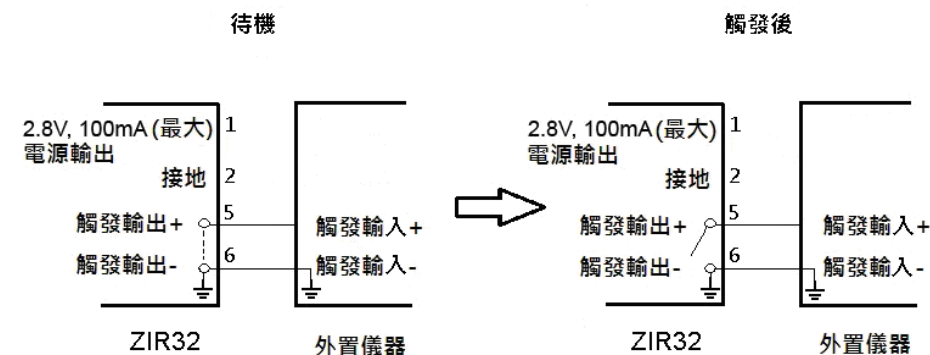


圖7

應用: 如GSM警報器或蜂鳴器

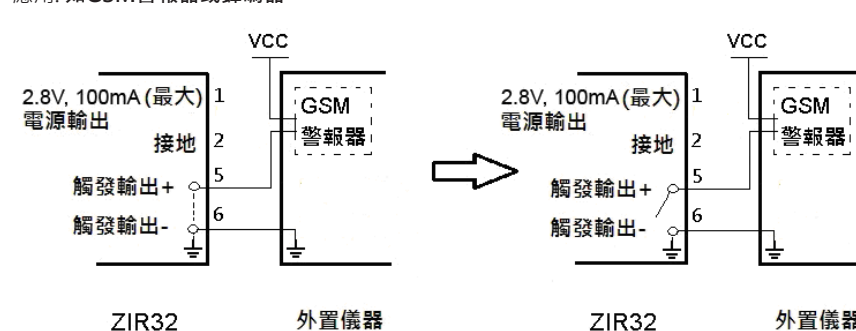


圖8

# Zetta ZIR32 紅外夜視高清安保攝錄機快速入門指南

## 待機

當ZIR32攝錄機未偵測到觸發\*，攝錄機在待機的狀態，觸發輸出的開關會連接。

## 觸發後

每當ZIR32攝錄時，無論是開機還是受到觸發\*，攝錄機會開始錄影，觸發輸出的開關會斷開。

\*觸發包括聲量觸發、移動觸發、振動觸發、熱能觸發和外部輸入觸發。

## 設置工具Widget

如要設定時間或更改自訂模式的設置，請從[www.zetta.com.hk](http://www.zetta.com.hk)下載設置工具並參照軟體使用指南。

- 注意: 1. 如時間顯示為2026年或以後，即使已啟用時間標示，這些影片都不會顯示攝錄時間。此時，請用此工具更新時間及移除2026年或以後的檔案！
2. 如首次執行設置工具，預設模式為簡易模式。此模式包括多種預設的場景給用家選擇。

## 連接到電腦

要連接Zetta ZIR32微型攝錄機到電腦，請執行以下步驟：

1. 將USB線較大的一端連接到電腦上可用的USB接口。
2. 將USB線較小的一端插入ZIR32 USB接口。
3. ZIR32 安保攝錄機會出現在我的電腦。

## 固件升級

Zetta會不時發布新的固件，加強現有或增加新的功能，請到訪[www.zetta.com.hk](http://www.zetta.com.hk)下載更新。

## 技術支援

在您聯繫技術支援之前，我們鼓勵您閱讀[www.zetta.com.hk](http://www.zetta.com.hk)的技巧和疑難解答，看看您的問題是否已在那裡列出。如果您有ZIR32使用上或功能上的疑問或其他Zetta產品的問題，請到訪我們的知識庫[www.zetta.com.hk](http://www.zetta.com.hk)或致電 (852) 31884492。

## 環境要求

儲存溫度: 華氏32至113度 (攝氏0至45度)

工作溫度: 華氏32至113度 (攝氏0至45度)

## FCC的規則

此設備符合FCC規則第15條。使用受以下兩個條件約束：

1. 該設備不會產生有害干擾。
2. 此裝置必須接受任何收到的干擾，包括可能導致不理想操作的干擾。

本設備已經通過測試，符合FCC規則第15條Class B的限制。這些限制旨在住宅安裝的情況下，提供合理的保護，防止有害干擾。本設備產生、使用，並能發射無線電頻率能量；如果沒有按照指示安裝和使用，可能會干擾無線電通訊。但是，我們不能保證干擾不會發生在特定的安裝情況下。如果本設備確實干擾無線電或電視接收，用戶可以使用一個或多個下列措施，嘗試糾正干擾：

1. 提高設備和ZIR32之間的距離。
2. 使用不同的電源插座，使設備和ZIR32使用不同的分支電路。
3. 諮詢經銷商或有經驗的無線電/電視技術人員尋求幫助。

一切保證及規則，皆以英文版本為準。