Zetta Z16 Wide Angle HD Security Camcorder Quick Start Guide

Overview

Congratulations on your purchase of Zetta Z16 wide angle HD intelligent security camcorder!
Zetta Z16 is an intelligent security camcorder with rotatable 160deg camera and multiple triggering methods and multi auto on/off modes. The camcorder comes with a built-in rechargeable battery which can record up to 10 hours continuous video during typical use and standby for more than 4 months when vibration triggering 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". Overwrites recordings once memory card is full.
Time stamp – Inserts 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.
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://www.softpedia.com/get/System/Hard-Disk-Utils/HP-USB-Disk-Storage-Format-Tool.shtml)

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 intelligent security camcorder and check that the following were included:
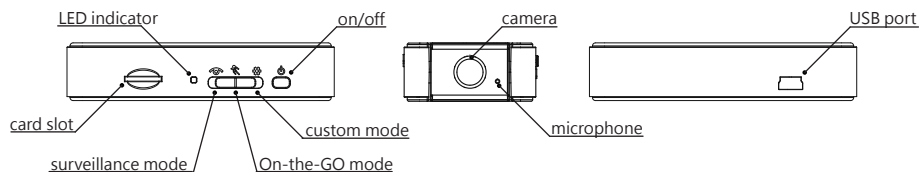Zetta Z16 intelligent security camcorder
5V DC Adapter
USB 2.0 Cable
Quick Start Guide

Zetta Z16 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 6 hours and resync the time by using the widget (see section "**PC Software Widget**"). You can charge your camcorder 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 on the right 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 (approximately 2 seconds), 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 green LED is off (for approximately 2 seconds).

WARNING: Turn off the camcorder before removing the card!

Status

Without 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

DC adapter plugged in

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

Connected to computer
Orange LED on: charging
Green LED on: charging complete

Mode switch

Switch between surveillance, on-the-go and custom modes. Default settings are in parentheses.
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. To make the custom mode settings effective, please push the mode switch to the "custom mode" position before powering up the Z16.

	Surveillance	On-the-GO	Custom (default)
Video Quality	High	High	(High) / Medium / Low
Resolution	640x360	1280x720	1280x720 / (640x360)
Frame Rate	High	High	(High) / Low
Indoor Lighting Condition	50Hz	50Hz	(50Hz) / 60Hz
Day / Night Mode	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)	20	15	10 / (15) / 20
Mic	Enable	Enable	(Enable) / Disable
LED On / Off	On	On	(On) / Off
Voice-Trigger Sensitivity	Disable	Disable	High / Medium / Low / (Disable)
Vibration-Trigger Sensitivity	Disable	Disable	High / (Medium) / Low / Disable
Vibration Standby Mode	N/A	N/A	Fast Wake Up / (Power Saving)
Motion-Trigger Sensitivity	Disable	Medium	High / Medium / Low / (Disable)
Auto On / Off	Disable	Disable	Scheduled Recording / Car-activate Recording / Car-stop Recording / Car-activate and Car-stop Recording / (Disable)

When the Z16 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 Z16 can act as a digital voice recorder.
** If a recording is started, you cannot switch between modes.
*** If triggering is enabled, the Z16 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.

PC Software Widget

To synchronize the time and customize settings, download the PC software "Widget" from www.zetta.com.hk and follow the instructions in the software guide.

NOTE: 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 resync the time and delete files created in 2026 or beyond!

Connecting to computer

To connect the camcorder to your computer, follow these instructions:
1 Connect the larger end of the 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 to check on the latest firmware for your Z16.

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.

概述

感謝你購買Zetta Z16高清安保攝錄機！
Zetta Z16高清安保攝錄機，擁有160度超闊視角，備有旋轉鏡頭，監察任何地方，並有多功能觸發及多種自動開關模式。Z16內置充電池，可攝錄長達10小時有聲影片及待機超過4個月。插上5伏變壓器更可64小時循環攝錄。*

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
震動觸發攝錄 – 當Z16感到震動時才攝錄
移動觸發攝錄 – 當Z16偵測到物體移動時才攝錄
聲音觸發攝錄 – 當Z16偵測到有聲音時才攝錄
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，更輕鬆傳送到視頻網站
攝錄方向 – 正常或反轉
解像度 – 1280 x 720 (720p) 或 640 x 360 (360p) 的視頻及聲音
可調幀率 – 降低幀率，以節省儲存空間
可調視頻質量 – 高 / 中 / 低
最大支持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://www.softpedia.com/get/System/Hard-Disk-Utils/HP-USB-Disk-Storage-Format-Tool.shtml 及 FAT32格式化）。

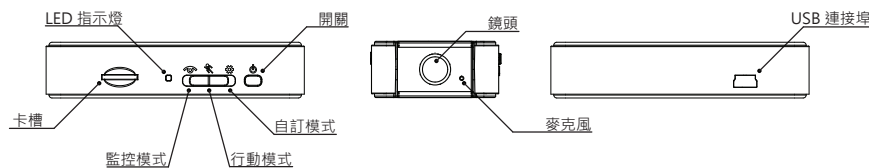## 包裝內容

請打開你的Zetta Z16高清安保攝錄機包裝盒，並檢查下列配件：
Zetta Z16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**

Z16高清安保攝錄機一覽

LED 指示燈　　開關　　鏡頭　　USB 連接埠
卡槽　　自訂模式　　麥克風
監控模式　　行動模式

充電

Z16配備一顆內置充電池，第一次使用或不使用Z16一段長時間，切記要完全充電6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Z16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Z16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Z16右側。

開始攝錄
緊按電源按鈕直到綠色LED發亮 (約2秒) 來開始攝錄。當你看見綠色LED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LED關閉 (約2秒)。

警告:退出記憶卡前，請關上Z16攝錄機!

狀態

沒有插入5伏變壓器
綠色LED發亮：Z16開啟
綠色LED閃爍：正常攝錄
綠色 / 紅色LED交替閃爍：低電量攝錄
紅色LED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伏變壓器
橙色LED發亮：正在充電，沒有攝錄
綠色LED發亮：充電完成，沒有攝錄
綠色LED閃爍：充電完成並正在攝錄
綠色 / 橙色LED交替閃爍：充電並正在攝錄
紅色LED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LED發亮：正在充電
綠色LED發亮：充電完成

模式

切換監控，行動或自定模式，默認設置於括號內。

註意: 如要使用自定模式，請從 www.zetta.com.hk 下載設置工具更改設定 ，並於開機前將推鍵撥到 "自定模式" 才能生效。

	監控	行動	自訂 (默認)
視頻質量*	高	高	(高) / 中 / 低
解像度*	640x360	1280x720	1280x720 / (640x360)
幀率*	高	高	(高) / 低
室內照明頻率	50Hz	50Hz	(50Hz) / 60Hz / 室外
日間 / 夜間模式	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)	20	15	10 / (15) / 20
麥克風	啟用	啟用	(啟用) / 停用
LED 顯示燈	亮	亮	(亮) / 不亮
聲量觸發靈敏度***	停用	停用	大 / 中 / 小 / (停用)
震動觸發靈敏度***	停用	停用	大 / (中) / 小 / 停用
震動觸發待機模式	不適用	不適用	速動 / (省電)
移動偵測觸發靈敏度***	停用	中	大 / 中 / 小 / (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)

用5伏汽車充電器連上車充，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，Z16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。

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下載設置工具並參照軟體使用指南。

注意: 如時間顯示為2026年或以後，就算已啟用時間標示，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刪除2026年或以後的檔案!

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

連接到電腦

要連接Zetta Z16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Z16 USB接口。
3. Z16 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Z16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Z16之間的距離。
2. 使用不同的電源插座，使設備和Z16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。