

**VILTROX**

**Spark Z3-C**

**Spark Z3-S**

**Spark Z3-N**


**Spark Z3-F**

Thank you for using Viltrox flashlight!

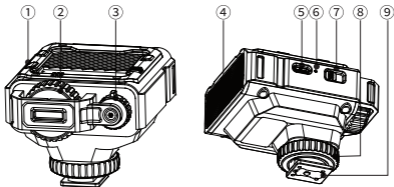
\* Before installing the Viltrox flashlight on your camera, please read this Manual carefully in order to master all functions of it.

## Warning

1. Please keep the product dry.
2. The product is not waterproof.
3. Do not immerse the product in water or allow it to come into contact rainwater or moisture, unless proper protection is used to isolate it from liquids and moisture.
4. Do not dismantle or repair the product arbitrarily, as this may cause electric shock or malfunction, leading to injury.
5. For any serious swelling, smoking or burning odor, stop using the product and power it off immediately, to prevent fire or burning of the product.
6. Do not use the flash on moving drivers, as it may cause traffic accidents.
7. Do not use the flash directly at close distance to the eyes (especially infants) to prevent damaging the retina.
8. Keep the small accessories out of reach of children to prevent accidental swallowing. If any accessory is accidentally swallowed, seek medical attention immediately.
9. Do not allow children to handle this product to prevent licking the flash, which may cause electric shock or injury.
10. Do not shake the product strongly to prevent a fault, explosion or fire of elements.
11. Do not use the product near inflammable or explosive gases. Using the product near inflammable gases (including propane, gasoline and powder) may cause explosion or fire.
12. Never use solvents or active agents like benzene to clean this device, and do not store the flash in places containing camphor or benzene, as this may damage its plastic casing, leading to fire or electric shock.

 **Internal high pressure! Do not disassemble the device !**

## Parts



1. Pre-flash button (Recycle indicator)
2. Power knob
3. Power off / M manual mode / A (TTL) auto mode
4. Light emitting area
5. Type-C interface
6. Charging indicator
7. Photosensitive induction button (S1/S2)
8. Lock ring
9. Hot shoe (Different models come with different hot shoe type)

## Charging Indicator

1. When the white charging indicator light is constantly on, it indicates that the battery is fully charged.
2. When the white charging indicator light is breathing (blinking in a slow pattern), it indicates that the battery is charging.
3. When the white charging indicator light blinks every 5 seconds, it indicates that the battery is empty and should be charged promptly.
4. Upon power-up, the number of flashes of the white charging indicator light will vary depending on the battery level. Please refer to the table below for details:

Battery Level	75%~100%	50%~75%	25%~50%	0%~25%
Flickering Times	4 times	3 times	2 times	1 time

## Recycle Indicator

1. When red recycle indicator is normally on, it indicates that the recycle is in progress.
2. When green recycle indicator is normally on, it indicates that the recycle is completed.
3. When the recycle indicator flashes green, it indicates that the internal temperature of the flash is too high.
4. When the recycle indicator flashes red, it means the device has low power. Please charge the device promptly.

## Operation Instructions

### Power On/Off

Turn the dial to M manual mode or A (TTL) auto mode to power on.

Turn the dial to OFF to power off.

Note: The flash must be installed on the camera before turning on the camera and flash.

### M manual mode

1. Turn the dial to M manual mode.
2. Adjust the flash power according to the the camera's ISO setting and shooting distance. Refer to the following table for the specific parameters:

Photosensitivity (ISO)	50	100	200	400	800	1600	1600
f-stop	2	2.8	4	5.6	8	11	16
Shooting Distance	0.7	0.9	1.3	2	2.7	4	5.3
Reference Power	1/64	1/32	1/16	1/8	1/4	1/2	FULL

### A(TTL) auto mode

1. Turn the dial to A(TTL) auto mode.
2. The flash automatically adjusts its output flash power based on signals from the camera, which determines the required flash power through pre-flash metering.

## Flash Triggering Mode

S1 synchronous flash triggering mode

In M manual mode, when the photosensitive induction button is set to S1 mode, the flash will synchronize and trigger simultaneously with the first flash of master flash.

S2 pre-flash avoidance flash triggering mode

In M manual mode, when the photosensitive induction button is set to S2 mode, the flash will synchronize and trigger with the second flash of master flash, effectively eliminating preflash interference.

Note: S1/S2 triggering modes are exclusively supported in M manual mode operation.

## Specification & Parameters

Flash output	7 levels: 1/1 - 1/64
Power (1/1 output)	26Ws
Recycle time	1s
Flash duration T0.5	1/3000s - 1/30000s
Color temperature	6,500±200K
Flash mode	M manual mode/ A (TTL) auto mode
Flash triggering mode	S1 synchronous flash triggering mode/ S2 pre-flash avoidance flash triggering mode
Battery capacity	3.7V/1,800mAh
Flashes count (1/1 output)	700 times
Charging period	Type-C 5V/2A (About 60min)
Sleep	The device will enter sleep mode after 15 minutes of inactivity. Power on again to resume operation.
Dimensions	78.4×67.2×55.9mm
Weight	About 144g

We reserve the right to upgrade the Product's appearance, technical specification and performance without a prior notice.

**VILTROX** 唯卓仕

**Spark Z3-C**

**Spark Z3-S**

**Spark Z3-N**


**Spark Z3-F**

感谢您使用唯卓仕闪光灯！

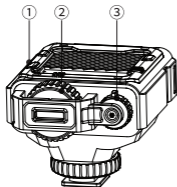
\* 在把唯卓仕闪光灯安装到您的相机上前，请仔细阅读本说明书，以便能够了解和使用闪光灯的全部功能。

## 警告

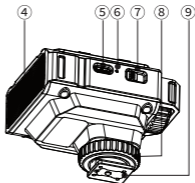
1. 请保持干燥。
2. 本产品不能防水。
3. 请勿使本设备浸水和接触雨水或水汽,除非有适当的保护以隔绝液体及水汽。
4. 请勿私自拆卸或修理闪光灯,否则可能引起触电或闪光灯故障,从而造成伤害。
5. 如本设备出现严重鼓胀、冒烟或烧灼气味,应立即停止操作并关闭电源,以防止闪光灯着火或烧灼。
6. 请勿对行驶中的司机使用闪光灯,否则可能引起交通事故。
7. 请勿近距离对人眼(特别是婴幼儿)直接使用闪光灯,否则可能损伤其视网膜。
8. 请勿让儿童接触小型附件,以防止其被吞咽。如无意中吞下附件,应立即就医。
9. 请勿让儿童接触本设备,防止其舔舐闪光灯,从而造成触电或引起伤害。
10. 请勿使闪光灯受到强烈振动,否则可能引起故障,导致元件爆炸或着火。
11. 请勿在有可燃性或爆炸性气体附近使用本设备。如有可燃性气体(包括丙烷、汽油及粉座)的场所使用闪光灯,可能引起爆炸或火灾。
12. 严禁使用稀释剂或苯等活性试剂清洗本设备,并且切勿将灯储藏在含有樟脑及苯等化学品的场所,否则会损坏其塑料包装,引起着火或触电。

 **内部高压! 请勿拆卸本设备!**

## 部件名称



1. 预闪键(回电指示灯)
2. 功率旋钮
3. 关机/M手动模式/A(TTL)自动模式
4. 发光区
5. Type-C接口



6. 充电指示灯
7. 光敏感应键(S1/S2)
8. 锁紧环
9. 热靴(不同型号适配不同的热靴)

## 充电指示灯

1. 当白色充电指示灯常亮,表示电池充电结束。
2. 当白色充电指示灯呼吸闪烁,表示电池正在充电。
3. 当白色充电指示灯每隔5秒闪烁一次,表示电池没电,请及时充电。
4. 开机时,根据电量的多少,白色充电指示灯闪烁的次数会不同。具体如下表:

电量	75%~100%	50%~75%	25%~50%	0%~25%
闪烁次数	4次	3次	2次	1次

## 回电指示灯

- 1.当回电指示灯常亮红色,表示正在回电。
- 2.当回电指示灯常亮绿色,表示回电结束。
- 3.当回电指示灯闪烁绿色时,表示闪光灯内部温度过高。
- 4.当回电指示灯闪烁红色时,表示电池电量低,请及时充电。

## 使用说明

### 开/关机

将拨轮拨至M手动模式或A(TTL)自动模式,即可开机。

将拨轮拨至OFF,即可关机。

注:需先将闪光灯安装到相机后,再开启相机和闪光灯。

### M手动模式

1. 将拨轮拨至M手动模式;
2. 根据相机已设置的感光度和拍摄距离,调整适合的功率。

具体参数,可参考下面表格:

感光度 (ISO)	50	100	200	400	800	1600	1600
光圈值	2	2.8	4	5.6	8	11	16
拍摄距离/m	0.7	0.9	1.3	2	2.7	4	5.3
参考功率	1/64	1/32	1/16	1/8	1/4	1/2	FULL

### A(TTL)自动模式

1. 将拨轮拨至A(TTL)自动模式;
2. 相机通过预闪测光,控制闪光灯发出合适的闪光功率来实现补光效果。

## 引闪模式

### S1同步引闪模式

在M手动模式下,将光敏感应键调至S1模式,闪光灯会与主闪光灯的第一次闪光同步被引闪。

### S2防预闪引闪模式

在M手动模式下,将光敏感应键调至S2模式,闪光灯会与主闪光灯的第二次闪光同步被引闪。

注:只有在M手动模式下,才支持S1/S2引闪模式。

## 规格参数

闪光功率档位	7档:1/1-1/64
功率(1/1档位)	26Ws
回电时间	1秒
闪光持续时间T0.5	1/3000s - 1/30000s
色温	6500±200K
闪光模式	M手动模式/A(TTL)自动模式
引闪模式	S1同步引闪模式/S2防预闪引闪模式
电池容量	3.7V/1800mAh
闪光次数(1/1档位)	700次
充电时长	Type-C 5V/2A (≈60分钟)
休眠	无操作15分钟后进入休眠;重新开机以恢复操作
尺寸	78.4×67.2×55.9mm
重量	约144g

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