

Thank you for purchasing the NITECORE Smart Camera Battery!

Before using the product, please read this user manual carefully and keep it safe for future reference.

# NITECORE®

## KEEP INNOVATING

### NFZ100 SMART CAMERA BATTERY USER MANUAL

## Product Introduction

The NFZ100 is a smart camera battery designed and developed by NITECORE compatible with Sony a7 III, a7R III, a9 (ILCE-9). With an iOS/Android app in your smartphone, you can check the real-time information of the battery health, battery level, charging/discharging current and other status of several batteries simultaneously. It is also equipped with a power balance circuit and Storage Mode to maximize its lifespan.

## Specifications

Type:	Rechargeable Li-ion Battery
Voltage:	7.2V
Capacity:	2,280mAh
Energy:	16.4Wh
Operating Temperature:	Charge: 0°C~45°C (32°F~113°F) Discharge: -20°C~60°C (-4°F~140°F)
Compatible models:	a7 III, a7R III, a9 (ILCE-9)
Dimensions:	52mm×38.7mm×22.5mm (2.05"×1.52"×0.89")
Weight:	82.5g (2.91oz)

(Please note that NITECORE will reserve the rights to make any alteration on the specifications or modification on the product design at any time and without prior notice.)

## Features

### Specially Designed Mobile App – NNERGY

In NNERGY, you can check the real-time information of the current working status of your smart batteries, including Battery Health, Power Remaining, Battery Voltage, Charge Cycles, Estimated Time to FULL/EMPTY, and Activation Date. (Android 4.4 / iOS 6.0 or above required)



Scan to Download Our  
Mobile App – NNERGY

### Built-in Battery Protection Circuit

The built-in battery protection circuit provides multiple protection safeguards including overcharge protection, over-discharge protection, overvoltage protection, overcurrent protection and short-circuit protection.


### Built-in Smart Cell Management System

The OTA upgradeable management system is available to monitor the real-time working status of the cell. The power balance circuit is able to balance the working status of each cell to maximize the lifespan of the battery. After the Storage Mode is activated, the battery will be automatically discharged to the appropriate power level after it is left unused for 10 days.

## Note

- Before the first use, please continuously charge the battery for at least 3 minutes to activate the battery. The battery will not be detected by NNERGY unless it is successfully activated.
- Please recharge the product every 3 months when left unused for a prolonged time.
- When the product is charged within the camera body, a low charging efficiency might occur. Therefore, it is recommended to use the original charger of Sony or the NITECORE USN4 Pro to ensure a regular charging speed.
- Upgrade the firmware of the product when there is a pop-up upgrade notice in NNERGY to ensure a better user experience. During the firmware upgrade process, please put your smartphone close to the product. Please try again if the upgrade fails.
- Due to the regular upgrade of the camera firmware from time to time, the display might show a safety warning after the product is inserted into the camera. Please select "OK" to continue using the product.

## Operating Instructions of NNERGY

- Enter NNERGY in your smartphone, and it will show the activated smart batteries detected nearby.
- Tap the red star beside the battery icon, insert the last 3 digits of the SN code shown on the label of the battery and select "OK" to successfully mark the battery. (For example, if the label shows SN:Z012019001, please insert 001.) Please mark all your batteries properly when you use them for the first time.
- Tap the battery icon to check the battery info.
- The Storage Mode icon (  ) is located on the upper right corner of the battery info interface. After the Storage Mode is activated, your battery will be automatically discharged to 70% after it is left unused for 10 days as it is the ideal storage status to be kept for a prolonged time.

## Cautions

- Please use the product only in the specified camera models.
- DO NOT use chargers of poor quality to charge the product to avoid accidents.
- Moderate heat from this product is to be expected during the charging process, which is normal.
- DO NOT leave the product unattended during the charging process. Cease the charging process once at any sign of malfunction.
- Operating Temperature: Charge: 0°C~45°C (32°F~113°F) Discharge: -20°C~60°C (-4°F~140°F)
- DO NOT expose the product to high temperature or incinerate. Avoid using the product in extreme environments where drastic changes in temperature are possible.
- DO NOT short-circuit the product, or it will lead to battery leakage, massive heat or even explosion.
- Avoid any shock or impact to the product.
- DO NOT leave the product unused in the camera for a prolonged time, or it will lead to battery leakage, malfunction and corrosion of the device.
- DO NOT use the product if any malfunction occurs such as giving off smoke or a peculiar smell.
- DO NOT disassemble or modify the product as doing so will render the product warranty invalid. Please refer to the warranty section in the manual for complete warranty information.

## Disclaimer

This product is globally insured by Ping An Insurance (Group) Company of China, Ltd. NITECORE shall not be held responsible or liable for any loss, damage or claim of any kind incurred as a result of the failure to obey the instructions provided in this user manual.

## Warranty Details

Our authorized dealers and distributors are responsible for warranty service. Should any problem covered under warranty occurs, customers can contact their dealers or distributors in regards to their warranty claims, as long as the product was purchased from an authorized dealer or distributor. NITECORE's Warranty is provided only for products purchased from an authorized source. This applies to all NITECORE products. Any DOA / defective product can be exchanged for a replacement through a local distributor/dealer within 15 days after the battery is activated. After 15 days, all defective / malfunctioning NITECORE® products can be repaired free of charge for a period of 12 months (1 year) from the date of activating the battery.

The warranty is nullified if the product(s) is/are:

- broken down, reconstructed and/or modified by unauthorized parties
- damaged from wrong operations

For the latest information on NITECORE® products and services, please contact a local NITECORE® distributor or send an email to [service@nitecore.com](mailto:service@nitecore.com).

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NFZ220710019

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感谢你购买 NITECORE 奈特科尔智能相机电池！  
在使用本产品前，请务必仔细阅读本说明书，并妥善保管，以便日后查阅参考。

# NITECORE® 奈特科尔

## NFZ100 智能相机电池 说明书

### 产品概述

NFZ100 是由 NITECORE 奈特科尔自主研发及生产的智能相机电池，适用于索尼 α7 Ⅲ，α7R Ⅲ，α9 (ILCE-9) 机型。用户可通过 APP 查看本品多种信息，如电池使用状态、电池电量和充放电电流等。内置电芯平衡电路和自动放电功能，可有效地延长电池使用寿命。

### 规格

类型：可充电锂电池  
电压：7.2V  
容量：2280mAh  
能量：16.4Wh  
工作温度：充电：0°C ~45°C (32 °F ~113 °F)  
放电：-20°C ~60°C (-4 °F ~140 °F)  
适用相机型号：SONY α7 Ⅲ，SONY α7R Ⅲ，SONY α9 (ILCE-9)  
尺寸：52mm×38.7mm×22.5mm (2.05"×1.52"×0.89")  
重量：82.5g (2.91oz)  
(规格或设计如因产品改进而有变动，恕不另行通知，敬请留意。)

### 功能特性

#### 专属手机 APP——NENERGY

通过 NENERGY 可查看电池当前工作状态，包括电池健康度、剩余电量、电池电压、电池使用状态、充放电电流、累计充电次数、预计充满电时间（或预计续航时间）和首次激活日期。（请确保手机系统版本为 Android 4.4 以上或者 iOS 6.0 以上）

#### 内置电池保护芯片

采用优质的电池保护芯片，可为电池提供稳定可靠的过充保护、过放保护、过压保护、过流保护和短路保护。

#### 内置电芯智能管理系统

内置可 OTA 升级的电芯，监测程序时刻对电芯的工作参数进行实时监测。配合电芯平衡电路，可自动平衡各个电芯的工作状态，有效延长电池使用寿命。打开了自动存贮模式后，当电池闲置超过 10 天，将自动放电到合适存贮的电量。

### 使用须知

- 初次使用时，请为电池进行至少 3 分钟的不间断充电，即可激活电池。未成功激活的电池，将无法在手机 APP--NENERGY 中查看到相关信息。
- 当需要长时间储存本产品时，建议用户每 3 个月充电一次。
- 使用相机机身为本品充电时，部分机型可能会出现低充电效率现象。为保证充电效率，建议使用索尼原装充电器或 NITECORE 奈特科尔 USN4 PRO 充电器为本品进行充电。
- 如手机 APP--NENERGY 弹出产品固件升级提示，请及时为本产品进行最新固件升级，可带来更好的用户体验。固件升级过程中，请确保手机靠近本产品。如升级失败，请再次尝试升级。
- 由于相机固件会不断更新，装入本产品后，相机显示屏可能会出现电池警告窗口，点击“确认”后即可正常使用。



请扫描二维码  
下载APP

### 使用手机 APP——NENERGY

- 打开 NENERGY，数秒后界面内会显示附近已被激活的智能电池。
- 点击电池图标旁的红星，在窗口中输入电池贴上 SN 码后三位，点击“OK”即可成功标记电池。（如：电池贴上印有 SN:Z012019001，输入 001 即可）建议用户初次使用时，先对电池做好标记。
- 点击电池图标即可查看电池详细信息。
- 自动存贮模式开关（ ON）位于电池信息界面右上方。开启自动存贮模式后，当电池处于闲置状态超过 10 天，将自动降低电量至 70%。在此电量下，电池适宜长时间保存。

### 注意事项

- 本产品仅限于指定相机型号。
- 请勿使用劣质充电器为本品进行充电，以免发生意外。
- 电池在充电过程中可能会发热，视为正常现象。
- 对本品进行充电时，不可无人看管。若发现有任何故障，请立即停止充电。
- 工作环境温度，充电：0°C ~45°C (32 °F ~113 °F)，放电：-20°C ~60°C (-4 °F ~140 °F)。
- 禁止将本产品暴露于明火或置于暴晒、雨雪环境中。避免在过高温、过低温或温度骤变环境中使用。
- 请勿使电池短路，否则电池可能会漏液、产生过多热量甚至爆炸。
- 避免让电池受到强烈的外力撞击或摔落。
- 请勿在相机内长时间存放电池，否则可能会出现电池漏液的情况，而导致设备故障、腐蚀。
- 电池若出现任何异常情况，如冒烟或发出异味等，切勿使用。
- 切勿擅自拆卸、组装或改装电池，可能会导致保修服务失效，详情请查看保固条款。

### 免责声明

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### 保固

NITECORE® 产品拥有售后保固服务。在激活本产品的 15 天内，如果有任何质量问题均可向经销商要求免费更换。在激活本产品的 12 个月内享受免费保固服务。

本保固规则不适用于以下情况：

- 人为破坏，拆解，改装本产品。
- 错误操作导致产品损坏。

如对奈特科尔产品有任何疑问，欢迎联系当地的代理商或发邮件到 4008869828@nitecore.cn

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