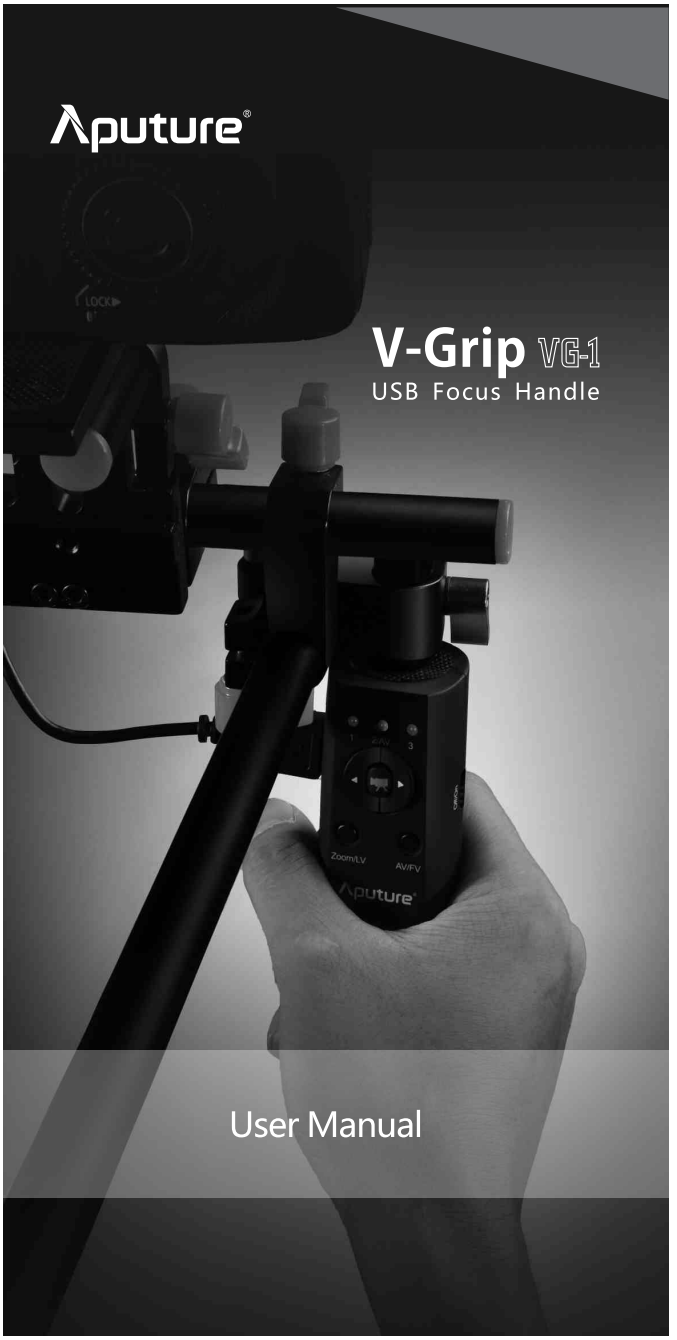
Aputure®



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Safety Notice

To prevent damage to your product or injury to yourself or to others, read the following safety precautions in their entirety before using this product. Keep these safety instructions where all those who use this equipment will read them.

☞ **Do not disassemble or modify.**
Failure to observe this precaution could result in electric shock of product malfunction. Should the product break open as the result of a fall or other accident, remove the batteries.

☞ **Keep dry.**
- Do not handle with wet hands or immerse in or expose to water or rain.
- Failure to observe this precaution could result in fire or electric shock.

☞ **Do not expose to high temperatures.**
- Do not leave the device in a closed vehicle under the sun or in other areas subject to extremely high temperatures.
- Failure to observe this precaution could result in fire or in damage to the casing or internal parts.

☞ **Do not use in the presence of flammable gas.**
Failure to observe this precaution could result in explosion or fire.

☞ **Observe precaution when handling batteries.**
- Use only batteries listed in this manual. Do not mix old and new batteries or batteries of different types.
- Do not attempt to insert batteries upside down or backwards.
- Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the batteries when leaving the device unattended for prolonged periods or when no charge remains.
- Should liquid from the batteries come into contact with skin or clothing, rinse immediately with fresh water.

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Foreword

Thanks for purchasing Aputure® V-Grip VG-1, a battery powered handheld grip that can help you achieve critical focus with certain Canon DSLRs. V-Grip can also trigger video recording and adjust aperture values. Employ V-Grip to master video with ease.

1. Product Introduction

Aputure V-Grip is the perfect tool to suitable for the needs of the remote controlling Canon DSLRs. It can control crucial functions such as video recording, manually focusing your lens, adjusting aperture value, toggling live-view, and digital zooming for focus checking. V-Grip also has a universal mount with diverse mounting options, putting various camera & video functions at your fingertips.

Main Features

Function

1. Remote record video
2. Remote live-view control
3. Remote adjust focus point precisely
4. Remote adjust aperture
5. Set focus step size
6. Intelligent power off
7. Low power warning
8. Firmware updates via USB

Design

1. Fits most video accessories(the rigs etc.)
2. Steady shooting
3. LED displays step values
4. Simple operation
5. Includes several mounting options
6. Support up to 20m USB cable
   (depend on the high-quality cable)

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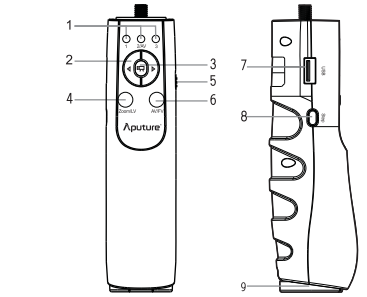
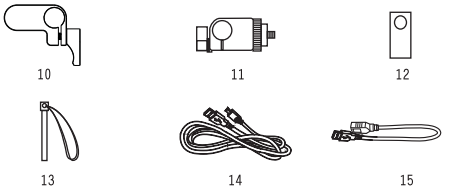
2. Components



Grip



Accessories

Grip

1. Step size indicator/Aperture adjust indicator
2. Aperture /Focus adjust button
3. Focus/Video recording button
4. Zoom/Live-view
5. Power switch
6. Aperture(A)/Focus(F) mode switch
7. USB port
8. Step size select button
9. Battery compartment

Accessories

10. Handle fittings
11. Rig mount
12. Metal column
13. Lock lever
14. USB cable
15. Firmware upgrade cable

3. Getting Started and Basic Operation

Aputure V-Grip only works with DSLRs that use Canon's USB protocol, including Canon EOS 1D Mark IV, 5D Mark III, 5D Mark II, 7D, 60D, 600D/T3i/Kiss X5, 550D/T2i/Kiss X4, 500D/T1i/Kiss X3, 1100D/T3/Kiss X50, and so on. (Check updated compatible models on Aputure official website)

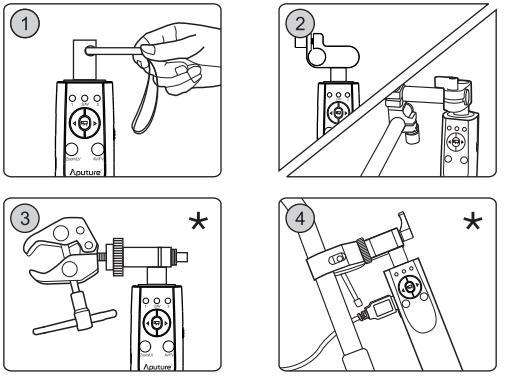
Battery Installation

Insert 2 AA batteries into the battery compartment .

Tips:
The indicator LED blinks red for low power. Replace batteries at once.

Attaching V-Grip

1. Attach the metal column to the V-Grip's 1/4" screw, and screw it with lock lever.
2. Attach the handle fittings to the metal column, and screw it, plugging the handle fittings in the V-Grip.
3. Connect the crab clamp to rig mount, plug the V-Grip with metal column, and screw it.(this kind of installation is suitable for fixing on camcorder stand Or crane)
4. Connect the V-Grip to camera by the USB cable.



Tips:
The crab clamp need to be purchased additionally.

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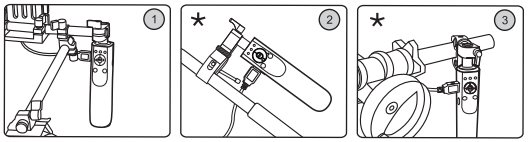
More Usage

1. On rig: affix V-Grip with handle fittings.
2. On camcorder stand: affix V-Grip with rig mount and crab clamp.
3. On crane: affix V-Grip with rig mount and crab clamp.



Tips:
The crab clamp need to be purchased additionally.

Button Testing

Short press any button to test V-Grip when disconnected, the LED will blink red.

Adjusting Focus Step Size

Canon's USB implementation allows for three different step sizes while sending a focus command to the camera. Short-pressing <Step> cycles through the three different sizes, and the LED lights red. The larger the focus step, the quicker the focus moves.

Tips:
<Step> button is invalid while V-Grip is in AV mode.

4. Functions

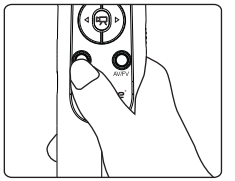
Live-View On/Off

Long-press <Zoom/LV> for 1 second to activate or stop live view on the camera.

Tips:
Canon EOS 7D and 500D/T1i/Kiss X3 ignore live-view "on" commands while in video recording mode. You'll need to manually activate live-view on the camera.

Digital Zoom

If live view is enabled, short-pressing <Zoom/LV> cycles through 1x/5x/10x digital zoom, which can be used to aid focusing.



Tips:
Digital zoom does not work while recording is activated.

Adjust Aperture and Focus Point

After live view is enabled, switch between aperture or focus point modes by pressing <AV/FV>. In AV mode, the '2/AV' LED lights green. In FV mode, the LED lights red.

Adjusting Aperture: Press the <AV/FV> button until the '2/AV' LED lights green. Press the left aperture adjuster button to increase the aperture value and press right button to decrease the value.

Adjusting Focus Point Position: Press the <AV/FV> button until the LED lights red. Move the focus point closer by pressing right button and further by pressing left button.

Tips:
1.FV mode is active by default. V-Grip returns to FV mode when AV mode is inactive for 10 seconds. The focus step size indicator LED lights red then.
2. Must set camera to "manual exposure" when adjusting aperture.
3. Canon 500D/T1i/Kiss X3 can't adjust the aperture.

Record Video

Start or stop recording video by full pressing red button. You can also use your camera's start/stop button. Half-press red button to auto-focus.

Tips:
Some cameras can't auto-focus by half pressing the shutter. Please refer to your camera manual to determine whether yours can or cannot.

Intelligent Power Off

V-Grip shuts down once no operation for 30 minutes. Restart the device to work again.

5. Firmware Upgrade

1.Download the upgraded firmware from Aputure official website.
2.Connect PC and the port of V-Grip by firmware upgrade cable.
3.Open the program ' V-Grip Update.exe' and press 'update' to upgrade the firmware.

Tips:
1. Only available for Windows system.
2. Switch off the V-Grip before upgrade.
3. Ensure that your PC has USB drive program inside. Please check more details here: http://www.aputure.com/v-grip-update-download/

6. Specifications

Power Supply: DC3.0V (AA 1.5Vx2)
Current: ≤40mA
Dimensions: 148*44*36mm
Standby Time: 80 Hours
Working Time: 40 Hours

7. Troubleshooting

The device can't turn on.

- Make sure the batteries have power.
- Check the buttons by testing.

The device doesn't recognize when camera is connected.

- Make sure camera is compatible with V-Grip (refer to page 5 for compatible models).
- Check that USB cable is securely plugged into both V-Grip and camera.
- Make sure the batteries have power.
- Restart the V-Grip if it shuts down automatically.

Camera displays error or is unresponsive.

- Make sure the batteries have power.
- Make sure the V-Grip is power on.
- Disconnect the camera from V-Grip and turn both off. Pull the battery from the camera and wait 10 seconds, then replace. Reconnect the camera to V-Grip, then turn the camera on, followed by V-Grip.

(The instructions and information in this manual are based on strict, controlled company testing procedures. Further notice will not be given if the design and specifications change.)

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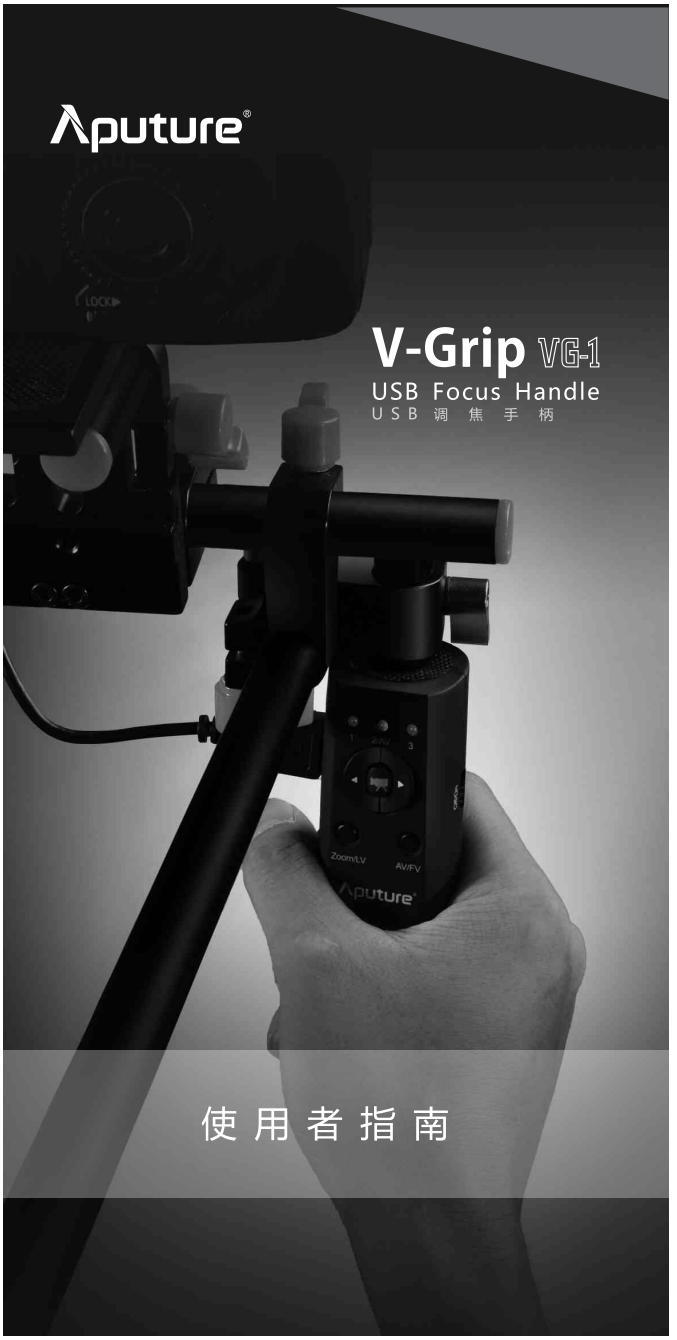

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安全须知

为防止对产品造成损害或者伤害到您自己或他人，请在使用前充分阅读下面的安全须知，并妥善保管，以便所有本产品使用者可随时参阅。

☞ 请勿自行拆卸或改装

违反此警告可能会触电或导致产品故障。若本产品因为摔落或其它意外事故造成破损，请取出电池，并送到专业维修店维修。

☞ 保持干燥

请勿用湿手操作，禁止将产品置于水中或在雨中作业。否则可能引起火灾或触电。

☞ 请勿暴露于高温环境

请勿将本产品置于阳光直射下的封闭的车辆内或其他高温环境，否则可能导致产品发生爆炸。

☞ 请勿在有易燃气体的环境下使用

违反此警告可能引起爆炸或火灾。

☞ 电池使用安全事项

- 只能使用本手册中指定的电池。不要混用新旧电池或不同类型的电池。
- 装电池时要注意正负极对应正确。
- 电池电量耗完时容易发生漏液，为防止对产品造成损害，当长期不使用本产品时请将电池取出。
- 如果受损电池中的液体接触到皮肤或衣物，应立刻用大量清水冲洗。

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前 言

感谢您购买爱图仕USB调焦手柄V-Grip VG-1，该产品是通过佳能USB协议对佳能EOS系列单反相机进行视频控制的设备。其不仅具有控制视频、调节光圈及精准调焦等功能，并且具有USB固件升级功能，保证对EOS系列单反相机的兼容性。其简易的装配、流畅的操作，为您的视频拍摄带来更加愉悦的体验。

一、产品功能简介

爱图仕USB调焦手柄适用于佳能单反相机视频拍摄的控制。其可以控制相机视频的开启和关闭，调节对焦点的位置，而且可调节镜头光圈、开启实时取景及数码变焦等功能。USB调焦手柄可搭配金属圆柱以及手柄连接件安装在15mm管径的视频托架上，也可使用固定锁扣安装在摄像机三脚架或摄像摇臂上。此调焦手柄按键布局合理，功能完善，是您视频拍摄的最佳选择。

主要特点：

功能：

1. 远程控制相机视频的开启和关闭
2. 远程开启相机实时取景功能
3. 远程准确调节镜头对焦点
4. 远程调节相机镜头光圈
5. 自动关机功能
6. USB固件升级功能
7. 低电提醒功能

设计：

1. 广泛适用于各种视频拍摄托架等附件
2. 舒适的焦点调节手感
3. LED灯直观显示对焦步长
4. 拍摄稳定、牢固
5. 操作简单易用
6. 支持20米长的USB线遥控相机

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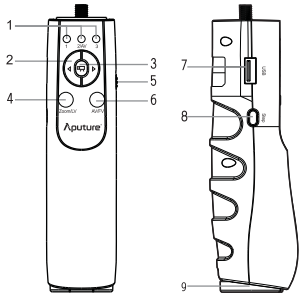
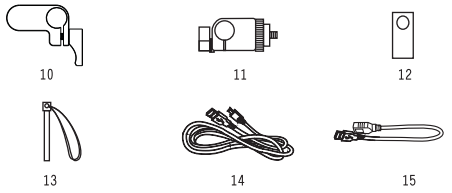
二、各部件名称



调焦手柄



附件

调焦手柄部件名称

1. 步长指示灯、光圈调节指示灯
2. 光圈、对焦点调节按键
3. 对焦、视频录制控制键
4. 数字变焦键、取景开启键
5. 电源开关
6. 光圈与调焦模式切换键
7. USB接口
8. 步长设置键
9. 电池仓

附件名称

10. 手柄连接件
11. 固定锁扣
12. 金属圆柱
13. 锁定杆（带挂绳）
14. USB数据线
15. USB升级线

三、使用前准备

在开始使用之前，请确认您的单反相机属于以下机型：Canon EOS 1D Mark IV、5D Mark III、5D Mark II、7D、60D、600D、550D、500D、1100D等（如有更新，请留意爱图仕官方网站）。

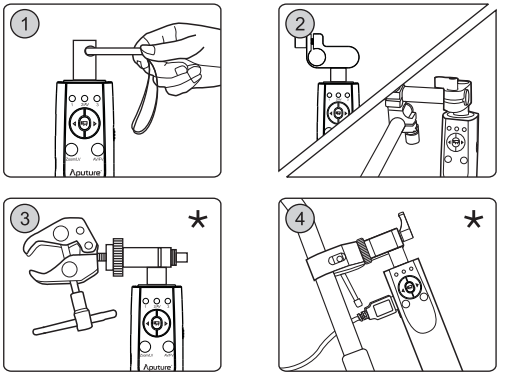
1.电池安装

将2节AA电池按照指示放入电池仓中。

小贴士：
当电压较低时，LED灯闪烁红灯，请及时更换电池。

2.产品安装

1）将金属圆柱旋入调焦手柄顶部的螺丝中,并用锁定杆旋紧。
2）将手柄连接件中的一个圆孔接入金属圆柱中,旋紧。将手柄连接件的另外一个圆孔插入托架中并旋紧。
3）将蟹钳夹*和固定锁扣连接,并插入装有金属圆柱的调焦手柄中,旋紧;用蟹钳夹固定在摄像三脚架或摄像摇臂上。(此种方法适用于安装在摄像三脚架或摄像摇臂上)
4）用USB线将调焦手柄与相机进行连接。



小贴士：
蟹钳夹需另购。

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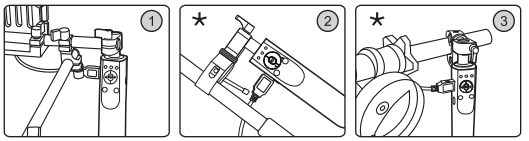
3.多种不同的使用方法

1）将USB调焦手柄用手柄连接件安装于视频拍摄托架上。
2）将USB调焦手柄用固定锁扣和蟹钳夹安装于摄像三脚架上。
3）将USB调焦手柄用固定锁扣和蟹钳夹安装于摄像摇臂上。



小贴士：
蟹钳夹需另购。

4.按键测试

让USB调焦手柄处于非连接状态下，打开手柄开关，短按任意按键，LED灯闪烁红灯，表明此产品的按键是正常的。

5.设置调焦步长

在USB调焦手柄向相机发送对焦指令时，佳能相机允许有三种不同的步长。短按<Step>键可以循环选择短、中、长三种步长，分别对应1、2、3LED灯，LED灯从左到右依次亮起对应的红灯。对焦步长设置的越大，镜头每一步移动的距离越大，对焦点移动的越快，反之亦然。

小贴士：
在光圈调节状态下，<Step>按键无效。

四、功能简介

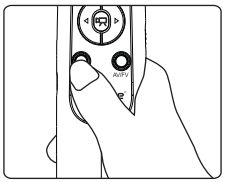
1.相机实时取景的开启/关闭

长按< Zoom/LV >按键1秒后可开启或关闭相机实时取景。

小贴士：
在视频录制模式时，佳能7D和500D会忽视实时取景“开启”指令，您必须手动开启相机上的“实时取景”功能。

2.数字变焦

相机启动实时取景后，短按<Zoom/LV>按键可以循环选择1倍/5倍/10倍的比例放大对焦框的内容，您可以配合调焦按键进行精确对焦。



小贴士：
在视频录制过程中，不能使用数字变焦。

3.光圈、焦点调节

相机启动实时取景后，按<AV/FV>按键选择光圈、焦点调节。
1）光圈调节：当进入到光圈调节时，2/AV LED亮绿灯，此时可通过光圈按键调节光圈，右键为减小光圈，左键为增大光圈。

2）焦点调节：当进入到焦点调节时，1、2、3 LED灯之间有一个灯亮红灯，其余熄灭。此时可通过调焦按键进行焦点调节，右键为调近，左键为调远。

小贴士：
1.USB调焦手柄默认为焦点调节，若进入光圈调节不操作10秒后会自动跳回焦点调节状态，此时步长显示灯亮红色。
2.在调节光圈前，请确保相机设置为“手动短片曝光”。否则无法调节光圈。
3.佳能500D无法调整光圈。

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4.控制视频的开启和关闭

直接全按对焦/视频录制控制键可以开启或者关闭视频录制，半按控制键可进行自动对焦。

小贴士：
由于相机自身的原因，部分相机在视频录制时半按无法对焦，详见相机使用说明书。

5.自动关机

当不操作USB调焦手柄30分钟后，产品将自动关机，此时您需将产品关机后再开机才可重新使用。

五、固件升级

1）从官网下载升级软件。
2）用USB升级线将电脑与调焦手柄的USB口进行连接。
3）打开"V-Grip Update.exe"程序，并点击"Update"进行升级。

小贴士：
1、暂只支持Windows操作系统。
2、升级时请将手柄关机。
3、第一次使用时需安装USB驱动，具体请参考官网详细升级方法。网址为
http://www.aputure.com/v-grip-update-download/

六、技术参数

工作电压:	DC 3.0V(AA 1.5V x2)
工作电流:	≤40mA
产品尺寸:	148*44*36mm
待机时间:	80个小时
连续工作时间:	40个小时

七、常见问题

1.调焦手柄不能开启
请确认电池的电量是否充足或者进行按键测试，检查按键是否正常。

2.调焦手柄与相机连接但无法识别
- 请确认相机与调焦手柄是否兼容（兼容机型请查阅本手册中的P5页）。
- 请确认USB数据线的两端分别已经完全插入手柄和相机。
- 请确认相机工作正常并且电量充足。
- 请确认是否长时间未操作产品导致产品自动关机，您可以将调焦手柄重新开机即可重新使用。

3.相机显示错误或者反应迟钝
- 请确认相机电池的电量，并确认调焦手柄是否打开。
- 将USB数据线移除，分别将相机与调焦手柄关闭。将相机电池取出并等待10秒，随后重新装入电池，再次将相机与手柄连接，接着打开相机，启动调焦手柄。

此说明书依据本公司严格测试指定，设计和规格如果变更，恕不另行通知。

AP-028 VG-1 A2-2013.12
Saturday, February 08, 2014 11:55:02 AM