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MANUAL BOOK



■ Trademarks

Ghost-Eye Wireless Video Transmission Systems™ are trademarks of Cine Gears Inc. Web Interface.

■ Statement of Conditions

In the interest of improving internal design, operational function, and/or reliability, Cine Gears Inc. reserves the right to make changes to the products described in this document without notice.

Cine Gears Inc. does not assume any liability that may occur due to the use or application of the product(s) or circuit layout(s) described herein.

■ FCC Compliance Notice: Radio Frequency Notice

The device has met the FCC 15.247 requirement. In order to comply with the FCC RF exposure requirement, the user must keep 20cm away from the antenna.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

■ Information to the user

The user's manual or instruction manual for an intentional or unintentional radiator shall caution the user that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. In cases where the manual is provided only in a form other than paper, such as on a computer disk or over the Internet, the information required by this section may be included in the manual in that alternative form, provided the user can reasonably be expected to have the capability to access information in that form.

1 注意：

在使用DRSL-SCAN-V产品之前先阅读产品操作手册。本操作手册有对使用本产品有非常重要的指导作用。

本产品由本公司承保，以下情况除外。

1. 产品未经授权自行改动、拆装和更换部件。
2. 不恰当的使用，例如放进水里，极度潮湿的环境下使用。
3. 不恰当的供电方式。

1.1 安全：

触电警告。

1. 使用完设备后关闭所有电气设备，包括显示器。
2. 使用正确的电源插头和电线。
3. 确保电源线不会缠结在一起。
4. 避免电流过载，否则可能引起火灾。
5. 长时间不用请关闭电源避免雷击。
6. 不可在水下使用，远离液体物质。
7. 保持通风避免在大太阳下和高温源旁使用。

1.2 友情提示：

禁止在机场和医疗设备附近使用，无线信号可能干扰到其它设备正常运转。如果设备不能正常动作，请尝试重启，如果问题还是存在，请关闭电源并联系售后。

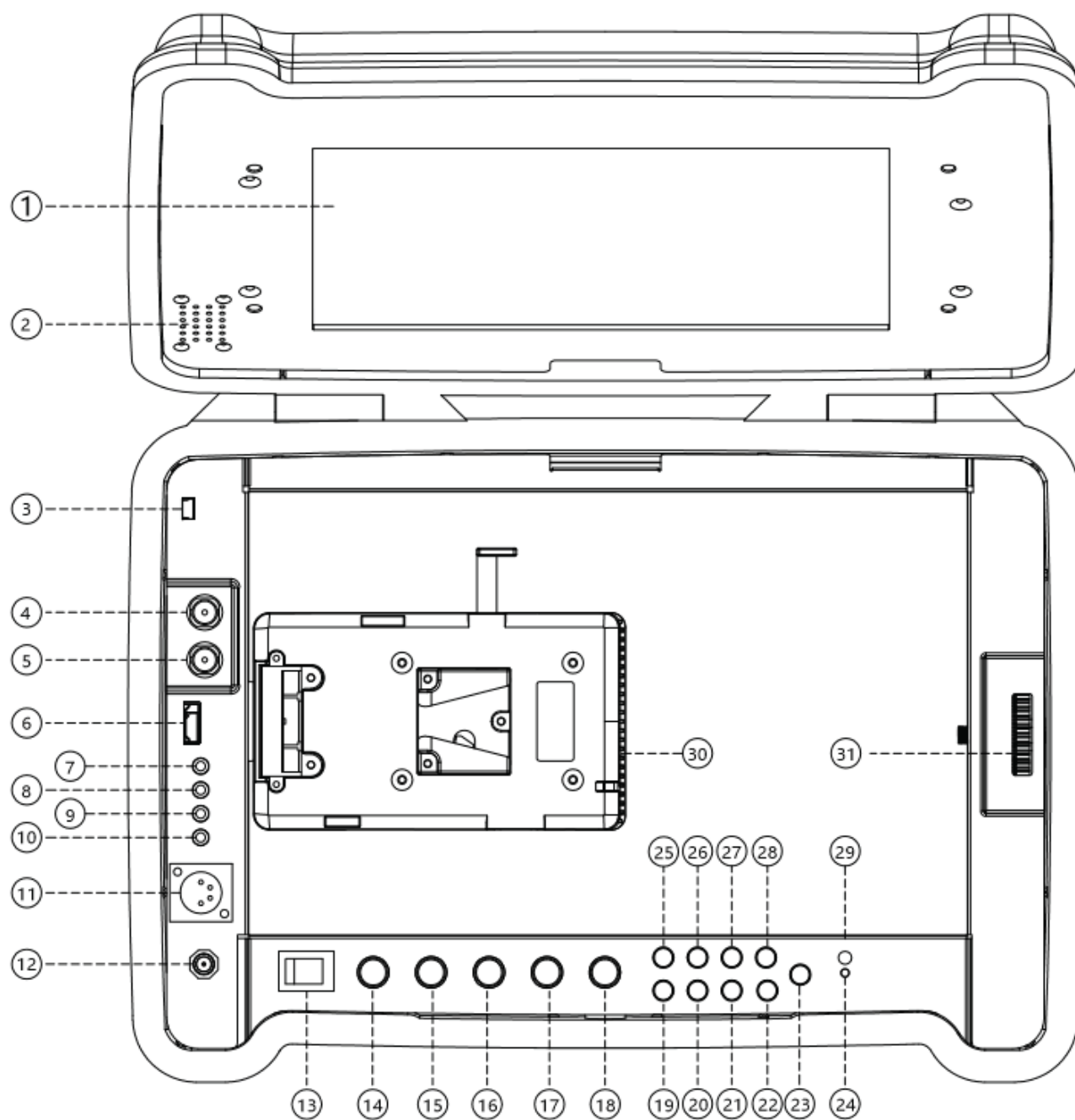
1.3 清洁：

使用软布或软刷擦拭，如果需要可以使用酒精，在进行清理前确保设备处于完全断电。

2.系统参数

| | |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| 视频格式 | 1080p60/59.94/50/30/29.97/25/24/23.98 1080i 60/59.94/60 720p60/50 480p60 480i(NTSC)/576li(PAL) SDI:3G,HD,and SD-SDI(auto-selected) |
| 输出接口 | 2 x 75 Ohm BNC 1 x Type A receptacle HDMI 1 x 3.5mm headphone jack |
| 延迟(TX to RX) | <1ms |
| 音频 | SDI embedded 24 bit/48KHz PCM |
| 图传频率 | 5.1-5.9GHz,适用于中国，美国欧洲等 |
| 传输范围 | 直线可视300ft(1000M的TX作为发射机) |
| 带宽 | 40MHz |
| 抗干扰 | 可与WIFI 5G无线电共存 |
| 输入电压 | 9-18V DC |
| 功耗(1080p60) | < 15 Watts |
| LCD 屏 | 10.1 inch OLED(分辨率:1920 x 1200px) |
| 专业视频分析软件 | 信号检测功能，监控音平电平, 辅助聚焦,斑马线,像素到像素中心放大功能,全蓝,伪色,安全框 |
| 工作温度 | -10~40°C |
| 尺寸 | (长 x 宽x 高):363x 267x 152mm |
| 重量 | 5.7KG |
| 升级 | 通过Mini-USB升级 |
| 安装 | 标配V口电池扣板 |

3.接口介绍



| 项目 | 名称 | 功能 | 描述 |
|----|----------|------------|---------------------------|
| 1 | 10.1英寸屏 | 监看视频 | 无线监看视频 |
| 2 | 扬声器 | 播放音频 | 播放视频内嵌音频 |
| 3 | Mini-USB | 升级接口 | 升级箱子固件接口 |
| 4 | SDI B | 视频输出接口 | 视频SDI输出接口B |
| 5 | SDI A | 视频输出接口 | 视频SDI输出接口 A |
| 6 | HDMI OUT | 视频输出接口 | 视频HMI输出接口 |
| 7 | LISTEN | 音频输出接口 | 视频内嵌音频输出接口 |
| 8 | TALLY | TALLY 输入接口 | 本款不可用 |
| 9 | MIC | 麦克风接口 | 本款不可用 |
| 10 | HP | 耳机接口 | 本款不可用 |
| 11 | DC-INB | 直流电源接口 | XLR 电源接口电压:9-18VDC (2A) |
| 12 | DC-INA | 直流电源接口 | 3.5mm电源接口电压:9-18V (2A) |
| 13 | Power | 电源开关 | 控制电源 |
| 14 | VOL-TALK | 控制音量 | 调整无线对讲音量 |
| 15 | VOLUME | 控制音量 | 调整视频音量 |
| 16 | CHROMA | 色度 | 调整显示器色度变化 |
| 17 | CONTRAST | 控制对比度 | 调整显示器画面对比度 |
| 18 | BRIGHT | 控制亮度 | 调整显示器亮度 |
| 19 | F5 | 彩条控制 | 自发产生彩条 |
| 20 | F6 | 全蓝 | 显示器画面全蓝显示 |
| 21 | F7 | 伪彩色 | 分析整幅画面亮度分布用冷暖色重新显示 |
| 22 | F8 | 安全框 | 显示器上标示画面安全区域 |
| 23 | F9 | 重置 | 重置显示器所有参数，显示视频原始画面 |
| 24 | LED | 电源指示灯 | 工作时亮红灯 |
| 25 | F1 | 音平电平 | 显示音平电平柱 |
| 26 | F2 | 辅助聚焦 | 可通过红/绿/蓝三色锐化图像边缘显示图像 |
| 27 | F3 | 斑马线 | 画面曝光度超过90%的部分以斑马线纹理标记。 |
| 28 | F4 | 画面广大 | 中心放大2或4倍显示 |
| 29 | IR | IR | 本款未开放使用 |
| 30 | V口电池扣板 | 电池底座 | 通用V口电池扣板 |
| 31 | 1/4螺纹孔 | 固定机身 | 接收机固定螺纹孔 |

4.功能介绍

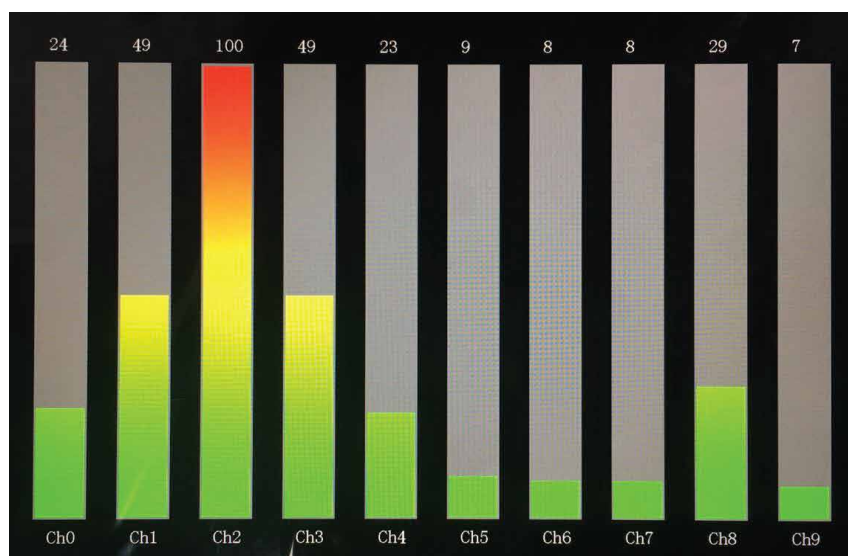
4.1开机显示

开机显示scanner界面，显示您尝试操作的频道的确切带宽和强度，并可以生成报告以显示哪些频道对拍摄的影响最具干扰性；

图一是没有干扰的



图二是有干扰的



4.2 切换模块

按F5键可以切换到无线接收器模式，默认0频道；如需切换频道，按以下操作：连续按下F8键4次，再按下F9，进入选择频道界面，按F4或者F8可以上下切换频道，确认切换完毕后按下F9，重启，完成切换频道操作；

在无线接收机模式下键位说明（在此模式下勿按下F5键，F5键为模式切换键）：



4.3 F1音频电平功能

音频电平显示功能实时监控录音电平。



4.4 F2 辅助聚焦

辅助聚焦功能通过红、绿、蓝三色锐化图像边缘显示图像，帮助摄影师进行聚焦操作，此功能与放大功能结合使用，辅助聚焦的效果更佳！



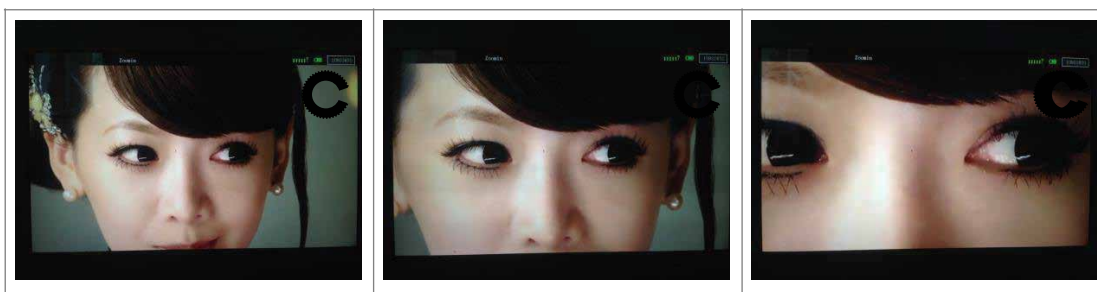
4.5 F3 斑马线功能

当曝光度超过预设值时，监视器屏幕出现斑马斜纹，以准确反映视频画面的曝光情况，有助于提示摄像师调整光圈获得合适的曝光值。



4.6 F4 像素到像素中心放大功能

放大监视器中心画面，更清晰显示图像细节。



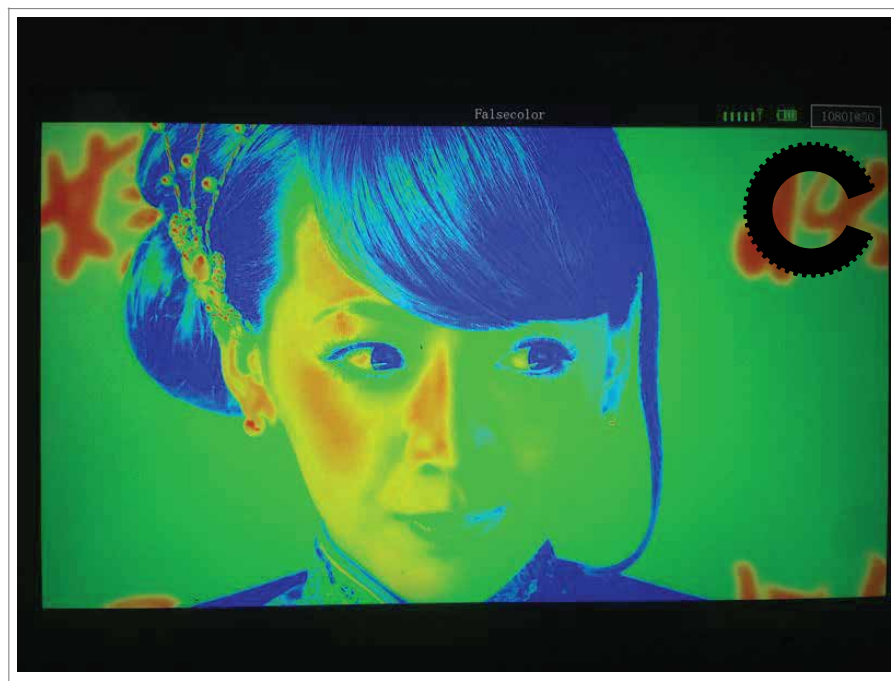
4.7 F6 全蓝功能

监视器只显示蓝色基色信号，可以监看视频图像的信噪比。



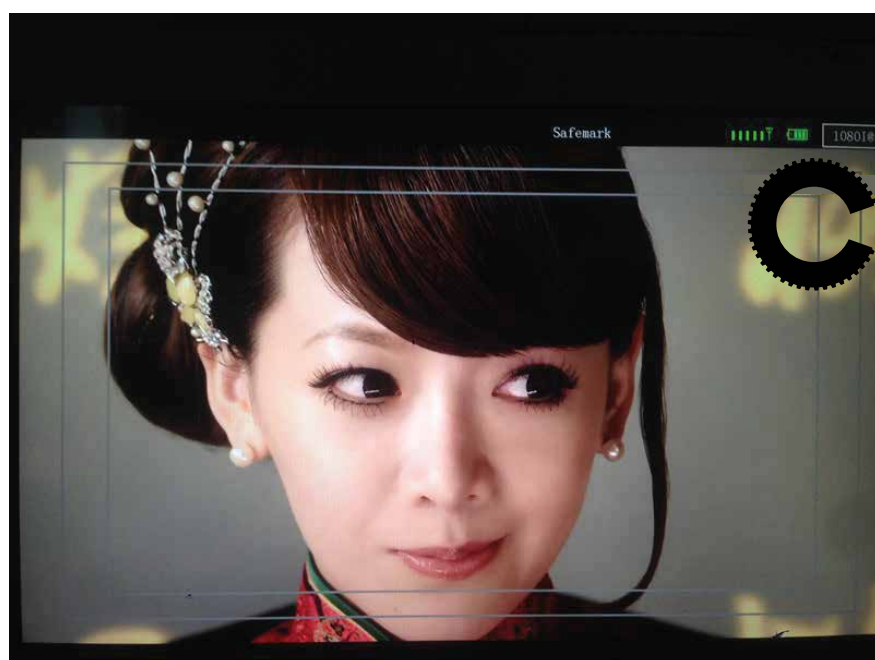
4.8 F7 伪色功能

伪色功能是指分析整幅画面的亮度分布用冷暖色重新显示，方便拍摄时的用光和后期制作。



4.9 F8 安全框

安全框的功能是提示摄影师对于正在拍摄的对象和动作在后期影视制作和视频输出时在银幕上的安全位置。



4.10 F9 复位键

清除以上所有操作。

5.故障分析

在排查以下各项前，请先确认各设备供电正常， 包括视频源， 显示器， TX和RX 无线连接是否正常。

| | |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 无画面 | <ol style="list-style-type: none">1. 查看TX屏是否显示“video”字样，如果没有请检查视频源。2. 查看接入点和线材是否破损，确认各接入点正常连接。3. 从TX环出视频确认视频源是否正常。4. 确保TX与RX在有效传输范围内，尝试靠近彼此。5. 确认视频格式是否支持。 |
| 屏幕不显示 | <ol style="list-style-type: none">1. 检查供电正常电压在 9-18VDC.2. 更换另一种供电方式 |
| 有图无声 | <ol style="list-style-type: none">1. 检查是否支持该音频格式 |
| 视频质量较差 | <ol style="list-style-type: none">1. 检查视频源是否正常？ 尝试将视频源直接接入显示器查看问题是否消失。2. 尝试更换视频连接线材。3. 检查TX和RX是否在有效传输范围内，试着使相互靠近。 |
| 音频质量较差或没有 | <ol style="list-style-type: none">1. 检查是否支持该音频格式。2. 尝试重启输入的音频源。3. 周围50CM内是否存在较强 5.8 GHz干扰 RX? |
| 其它 | <ol style="list-style-type: none">1. 尝试重启TX 和RX. |

Disclaimers

■ FCC Statement

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

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

- Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment. (Example use only shielded interface cables when connecting to computer or peripheral devices).

FCC Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.

- (2) This device must accept any interference received, including interference that may cause undesired operation.

Cautions

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

Disclaimers

■ Terms and Conditions

Congratulations on purchasing your new CINEGEARS product. Please read this manual carefully before using the product. By using this product, you hereby agree to this disclaimer and signify that you have read it in full. You agree that you are responsible for your own conduct and any content created while using CINEGEARS products, and for any consequence thereof. You agree to use this product only for purposes that are proper and in accordance with local regulations, terms and any applicable policies and guidelines.

By reading this disclaimer, you also agree:

1. Any part of this disclaimer is subject to change without prior notice. Refer to WWW.CINEGEARS.COM for the latest version.

2. CINEGEARS reserves the right of final interpretation of this disclaimer.

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About Cinegears

Cine Gears Inc. is an industry leading company that designs and manufactures digital wireless follow focus systems, lens control systems, camera motion control systems and accessories for film and broadcast industry. As a big believer in the power of creativity and ideas, we designed the Pegasus cablecam, the wireless motor drive that integrated a built in wireless transmitter, and the wireless finger wheel controller. The Cine Gears Inc. wireless lens control system has the international CE certification on all its equipment. Cine Gears lens control system can achieve the finest minutia of focus pulling, with extreme accuracy and control. This very same technology is what drives the Pegasus for ultra-smooth, highly controlled, programmed movement.

We have been working from Vancouver, B.C. for five years and our equipment has been used on hundreds of movies. Filmmakers of all experience levels will benefit greatly from a simple, professional, and well rounded follow focus system. The Single Axis and Multi Axis models provide greater ease, with less crew, and less wires. You can achieve professional film quality scenes on a shoestring budget. Camera operators, assistant camera operators, and jib operators can use the wireless follow focus to attain that perfect shot.

Customer Support



If you encounter any issues with any of our products please contact us directly via the details provided below. DO NOT CONTACT THE RETAIL STORE.

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