

Aputure®

V-Screen VS-3

7" LCD Field Monitor with Adv. Features & Loop-Through



Aputure®

User Manual



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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 equipment. Keep these safety instructions where all those who use this equipment will read them.

1. Don't immerse in water or expose to rain. May result in fire or electric shock.
2. Use the included power adapter or batteries listed in this manual.
3. Unplug when device is in extreme temperatures or smoking. Return to retailer for service.
4. Keep away from strong light to obtain the clearest results.
5. Do not use chemical solutions to clean this unit. Simply wipe with a soft, clean cloth.
6. Do not block any vent holes.
7. Do not place heavy things on the device. Keep all liquids away.
8. Avoid heavy impact or drops onto the ground.
9. Do not disassemble the unit. Seek service from qualified technicians when needed.

Foreword

Thanks for purchasing Aputure® V-Screen VS-3, a professional LCD Field Monitor with advanced features, designed to take your video shooting to the next level. It enables accurate monitoring and focusing when a small screen just won't cut it, while packing many features in a small body. For the best results, read this user guide before operation.



1. Product Introduction

Aputure V-Screen VS-3 is a professional field monitor with a IPS ultra bright screen. and includes essential functions such as Volume Bar, PEAK, False Color Display, Zebra Marking, Brightness Histogram, etc. It supports multiple signal inputs, including HDMI/YPbPr/AV(Audio/L/R). Lastly, it has a universal hot shoe mount, double power supply, and folding sunhood to help you shoot anywhere, anytime. Take your video shooting to the next level with V-Screen.

Main Features

1. 1920X1080 AR IPS Panel, 170° viewing angle
2. Anti-Reflection multi coating
3. PEAK focus assist
4. Zebra marking – 70IRE or 100IRE
5. Histogram for precise exposure control
6. False color to check exposure
7. Includes Audio Bar & 3-color level display
8. Color calibrated before shipping
9. Supports original signal output
10. No image deformation or interruption while using 5D Mark II, 60D, etc.
11. Firmware updates via USB
12. 7 languages menu
13. Package with sunhood

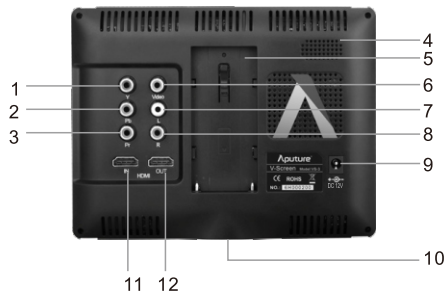
2. Components

Front



- 1. LCD Display
- 2. Mini USB Input (only for firmware upgrades)
- 3. Earphone Jack
- 4. Power Switch
- 5. Signal Switch <A/V>
- 6. Direction Pad
- 7. Menu Button

Back



- 1. Y Signal Input
- 2. Pb Signal Input
- 3. Pr Signal Input
- 4. Speaker
- 5. Battery Slot
- 6. Video Signal Input
- 7. L Stereo Signal Input
- 8. R Stereo Signal Input
- 9. DC Power Input
- 10. 1/4" Jack
- 11. HDMI Signal Input
- 12. HDMI Signal Output

Accessories



1



2



3



4



5



6

- 1. Power Adapter
- 2. HDMI Cable
- 3. Universal Hot Shoe Mount
- 4. Folding Sunhood
- 5. Firmware Upgrade Cable
- 6. Soft Cleaning Cloth

3. Getting Started

V-Screen Installation

1) Mount on camera or camcorder
Affix V-Screen on your DSLR camera or camcorder with the universal hot shoe mount.



2) Mount on the Magic Hand
Fix V-Screen on the magic hand or other accessories with 1/4" connector, and lock them.



3) Fix the sunshade cover

Affix the sunhood on the V-Screen with tape as shown by the picture.



Using Power Adapter

To power by adapter, connect the DC adapter to the DC power input on the back of V-Screen.



Lithium Battery Installation

Insert lithium battery into the battery slot as shown by the arrows.



📖 Tips :

Lithium batteries should be purchased separately. You can use Sony NP-F Series: NP-F550/F570/F770/F960/F970, Sony NP-FM/QM Series:FM50/FM51/FM55H/FM500H/QM50/QM51/QM71D/QM91D.

Power Switch

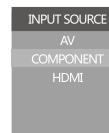
Power switch LED lights orange and then red once connected with power. Switch on V-Screen VS-3 by pressing the power switch, the LED lights green. To power off, hold the power switch for 2 seconds.

📖 Tips:

A red battery indicator will blink on the screen when power is low. Replace batteries immediately.

Signal Input Switch

Press the <A/V> button. Then choose appropriate signal input mode by pressing <▲/▼>. Confirm the signal input mode by pressing <M> button.



Supports HDMI Signal Output

V-Screen not only supports HDMI signal input, but also has a unique HDMI output function at the same time.

4. Function and Operation

1. Before changing settings, make sure device is connected with the correct signal input.
2. Press <M> on the V-Screen to enter the function menu. Press <▲/▼> to choose from the main menu (assistant function, auxiliary marker, image settings, color settings, shortcut settings, etc). Press <M> to enter sub-menu, then press <▲/▼> to navigate to your choice, and <◀/▶> to adjust parameters. Navigate to "EXIT" or press <M> button to return to main menu. Navigate to "EXIT" again to exit menu.

📖 Tips:

V-Screen will exit menu when there is no operation for 15 seconds.

(1) Assistant Functions

- a. Monochrome: Off/Gray/R/G/B (Off by default)
- b. False Color: On/Off (Off by default)
- c. Zebra: Off/70IRE/100IRE (Off by default)
- d. Peak: Off/High Light/High/Low (Off by default)
- e. Peak Color: Red/Yellow/Blue/White (Red by default)
- f. Histogram: On/Off (Off by default)
- g. Volume Bar: On/Off (Off by default)
- h. Color Bar: On/Off (Off by default)
- i. Camera Mode: On/Off (Off by default)

ASSISTANT FUNCTIONS	MONOCHROME	OFF
MARK	FALSE COLOR	OFF
IMAGE	ZEBRA	OFF
COLOR SETTING	PEAK	OFF
SHORTCUT	PEAK COLOR	RED
OTHER SETTING	HISTOGRAM	OFF
EXIT	VOLUME BAR	OFF
	COLOR BAR	OFF
	CAMERA MODE	OFF
	EXIT	
V1.0		

(2) Mark

- a. Center Mark : On/Off (Off by default)
- b. Safe Area: Off/90%/80%/70%/(Off by default)

ASSISTANT FUNCTIONS	CENTER MARK	OFF
MARK	SAFE AREA	OFF
IMAGE	EXIT	
COLOR SETTING		
SHORTCUT		
OTHER SETTING		
EXIT		
V1.0		

(3) Image

- a. Scan Mode: Under /Over (Under by default)
- b. Dot to Dot: On/Off (Off by default)
- c. Zoom: Off/1.4X/5X/10X (Off by default)
- d. Flip-H: On/Off (Off by default)
- e. Flip-V: On/Off (Off by default)
- f. Freeze: On/Off (Off by default)

ASSISTANT FUNCTIONS	SCAN MODE	UNDER
MARK	DOT TO DOT	OFF
IMAGE	ZOOM	OFF
COLOR SETTING	FLIP-H	OFF
SHORTCUT	FLIP-V	OFF
OTHER SETTING	FREEZE	OFF
EXIT	EXIT	
V1.0		

(4) Color Setting

- a. Brightness: 0~100 (50 by default)
- b. Contrast: 0~100 (50 by default)
- c. Saturation: 0~100 (50 by default)
- d. Color Temp: User/6500K/9300K (User by default)
- e. Red: 0~255 (128 by default)
- f. Green: 0~255 (128 by default)
- g. Blue: 0~255 (128 by default)

ASSISTANT FUNCTIONS	BRIGHTNESS	50
MARK	CONTRAST	50
IMAGE	SATURATION	50
COLOR SETTING	COLOR TEMP	USER
SHORTCUT	RED	128
OTHER SETTING	GREEN	128
EXIT	BLUE	128
	EXIT	
V1.0		

(5) Shortcut

V-Screen can apply different shortcuts to the < ▲/▼/◀/▶ > buttons. Shortcuts include: Safe Area, Center Marker, Color Bar, Volume Bar, Brightness Histogram, Peak, Zebra, False Color, Monochrome, Freeze, Vertical Flip, Zoom, Dot to Dot display, Scan mode and Aspect Ratio.

ASSISTANT FUNCTIONS	UP	ZEBRA
MARK	DOWN	FALSE COLOR
IMAGE	LEFT	HISTOGRAM
COLOR SETTING	RIGHT	PEAK
SHORTCUT	EXIT	
OTHER SETTING		
EXIT		

V1.0

Tips:

Default Shortcuts:

- ◀ Histogram
- ▶ Peak
- ▲ Zebra
- ▼ False Color

(6) Other Settings

- a. Language: English/Chinese/Japanese/Italian/Spanish/German/French (English by default)
- b. Transparency: Off/Low/Middle/High (Low by default)
- c. Volume: 1~100 (65 by default)
- d. HDMI Audio: HDMI/Video (HDMI by default)
- e. Reset
- f. Software updates*

ASSISTANT FUNCTIONS	LANGUAGE	ENGLISH
MARK	TRANSPARENCY	LOW
IMAGE	VOLUME	65
COLOR SETTING	HDMI AUDIO	HDMI
SHORTCUT	RESET	
OTHER SETTING	SOFTWARE UPDATES	
EXIT	EXIT	

V1.0

Tips:

Please refer to the link software update below :
<http://www.aputure.com/v-screen-vs-3/update/>

5. Specifications

Display	Model	VS-3
	Panel	7.0" IPS LCD
	Resolution	1024 x 600 display, supports up to 1920 x 1080
	Aspect Ratio	Full
	Brightness	400 nit
	Contrast	800:1
Input	Viewing Angle	170° /170° (H/V)
	HDMI	Yes
	YPbPr	Yes
Output	AV	Yes
	HDMI	Yes
Audio	Speaker	Yes
	Earphone Jack	Φ3.5mm
Power	Current	900mA
	Input Voltage	DC 7~12V
	Power Consumption	< 11W
	Lithium Batteries	Sony NP-F series: NP-F550/F570/F770/F960/F970 NP-FM/QM series: FM50/FM51/FM55H/FM500H/QM50/QM51/QM71D/QM91D
Environment	Operation Temperature	-20℃~60℃
	Storage Temperature	-30℃~70℃
Dimensions	Dimensions	182 x 138 x 23mm
	Weight	368g

(The instruction 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.)

Aputure®
爱图仕

V-Screen VS-3

高级功能技术监视器



使用者指南



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安全须知

为了防止对产品造成损害或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。

1. 切勿让本装置遭雨淋或受潮，以免火灾或触电的发生。
2. 请使用自带电源适配器或者规定电池，以便安全使用。
3. 使用中若发现温度异常或冒烟现象，应立即切断电源，停止使用，并送到授权经销商予以合理的处理。
4. 使用时显示屏幕应避免强光照射，以保证图像效果及监视器的长期使用。
5. 当清洁监视器时，请选用干软布沾上中性清洁剂将其污垢擦去，切忌使用烈性的清洁剂，如稀释剂、汽油或酒精等。
6. 使用过程中，散热口切勿有遮盖物以免影响产品散热而损坏设备。
7. 切勿将重物置于监视器上或使液体掉入其内部。
8. 监视器内部虽有防震保护措施，但还应避免剧烈碰撞。
9. 当遇到任何故障时，请勿自行拆卸设备，应联系有资格的维修技师或服务中心进行检查维修。

前言

感谢您选购爱图仕高级功能技术监视器，本产品适用于带有相关接口的数码单反相机、摄像机、微单及其他有HDMI、分量YPbPr、AV (Audio、L、R) 信号输出的视频设备。其专业的功能、时尚的外观、快捷简单的操作，是您先进的摄像伴侣。在使用本产品之前，请仔细阅读使用说明，了解其特性，以便充分发挥产品的各项性能。



一、产品功能简介

爱图仕高级功能技术监视器是一款专业的摄像监视器。其拥有音频电平表、辅助对焦显示、伪彩显示、斑马线、亮度直方图等技监功能，并采用高清IPS TFT-LCD屏。其采用双供电系统，搭配万向热靴座以及遮阳罩，无论室内还是户外均可使用。

主要特点：

1. 采用高清IPS广视角屏(最高支持1080P)
2. 防反光多层镀膜保护屏
3. 峰值辅助对焦显示功能(红/黄/蓝/白四色可选)
4. 动态斑马线功能,70或100IRE选择
5. 亮度直方图功能, 精确显示曝光量及区域
6. 伪彩色显示, 实现快速调整曝光
7. 音频电平表功能, 三色显示
8. 专业颜色校正, 还原最初的本色
9. 支持HDMI、YPbPr、AV多种信号输入, 并支持HDMI环出
10. 独有的相机模式, 解决5DII等相机视频录制黑屏和图像变形问题
11. USB软件升级功能
12. 支持7国语言
13. 配备遮阳罩

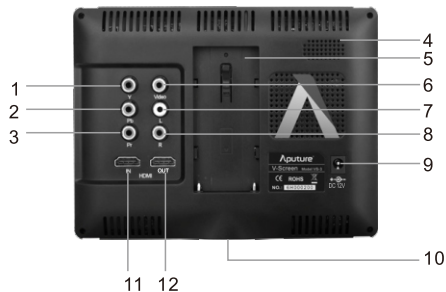
二、各部件名称

前视图



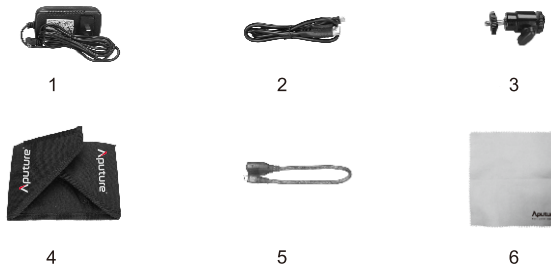
- 1. LCD显示屏
- 2. USB程序升级口
- 3. 耳机孔
- 4. 开关键
- 5. 信号切换键<A/V>
- 6. 方向键
- 7. 菜单键

后视图



- 1. Y信号输入口
- 2. Pb信号输入口
- 3. Pr信号输入口
- 4. 扬声器
- 5. 电池仓
- 6. Video 信号输入口
- 7. 音频左声道输入口
- 8. 音频右声道输入口
- 9. DC电源插孔
- 10. 1/4"螺孔
- 11. HDMI输入口
- 12. HDMI输出口

附件



- 1. 电源适配器
- 2. HDMI线
- 3. 万向热靴座
- 4. 遮阳罩
- 5. USB升级线
- 6. 擦镜布

三、使用前准备

1. 监视器的安装

- 1) 直接安装于相机或摄像机上
将监视器用万向热靴座安装在单反相机或摄像机的热靴上。



- 2) 安装于魔术手支架等附件上
将监视器的1/4"螺孔安装在如魔术手支架等带有1/4"螺丝的附件上，并旋紧。



3) 安装遮阳罩

将遮阳罩按图示安装在监视器上，拉紧松紧带粘贴。



2. 使用电源适配器

将电源适配器分别接入插座及产品DC电源插孔中。



3. 锂电池安装

将锂电池按图示装入监视器背面电池仓。



📖 小贴士：

本产品使用索尼NP-F系列：NP-F550/F570/F770/F960/F970，
NP-FM/QM系列：FM50/FM51/FM55H/FM500H
QM50/QM51/QM71D/QM91D。

4. 开关机

接上电源后，此时电源灯亮橙色，1秒后变为红色，此时按下电源开关即可开机，开机后电源灯亮绿色。当您不需要使用本产品时，长按2秒即可关闭电源。

📖 小贴士：

当电池电量不足时，屏幕会显示红色电池空框符号，并一直闪烁，请及时更换电池。

5. 切换输入信号

当有信号输入时，请通过A/V信号切换键切换并配合<▲/▼>键进行输入信号选择，然后按<M>键进行确认。



6. HDMI输出

当监视器输入HDMI信号时，同时可输出HDMI信号。

四、功能菜单操作

1. 在进行菜单操作之前，请确保设备都已连接正确，接入相应的信号及电源。
2. 按下<M>菜单键，显示屏幕左上方显示功能菜单对话框，此时你可以通过<▲/▼>键来选择需要的选项：辅助功能、辅助线、图像设定、色彩设定、快捷键定义、其他设定。在选择相应的选项后，按<M>键进入子菜单，然后通过<▲/▼>键来选择各个功能选项，选中需要的功能时，按<◀/▶>键进行参数调整。可按“M”键或通过“返回”按键返回到主菜单，主菜单下选择“退出”项即可退出菜单模式。

📖 小贴士：

如果进入菜单15秒后无任何操作，菜单将自动退出。

1) 辅助功能:

- a、单色显示: 关/蓝/绿/红/黑白 (初始值为“关”)
- b、伪彩: 开/关 (初始值为“关”)
- c、斑马线: 关/100IRE/70IRE (初始值为“关”)
- d、辅助对焦: 关/低/高/高光 (初始值为“关”)
- e、辅助对焦颜色: 红/黄/蓝/白 (初始值为“红”)
- f、亮度直方图: 开/关 (初始值为“关”)
- g、音频柱: 开/关 (初始值为“关”)
- h、自发彩条: 开/关 (初始值为“关”)
- i、相机模式: 开/关 (初始值为“关”)

辅助功能	单色显示	关
辅助线	伪彩	关
图像设定	斑马线	关
色彩设定	辅助对焦	关
快捷定义	辅助对焦颜色	红
其他设定	亮度直方图	关
退出	音频柱	关
	自发彩条	关
	相机模式	关
	返回	关
V1.0		

2) 辅助线:

- a、中心标记: 开/关 (初始值为“关”)
- b、安全框: 关/70%/80%/90% (初始值为“关”)

辅助功能	中心标记	关
辅助线	安全框	关
图像设定	返回	
色彩设定		
快捷定义		
其他设定		
退出		
V1.0		

3) 图像设定

- a、扫描模式: 欠扫描/过扫描 (初始值为“欠扫描”)
- b、点对点显示: 开/关; (初始值为“关”)
- c、变焦: 关/1.4X/5X/10X (初始值为“关”)
- d、图像横向翻转: 开/关; (初始值为“关”)
- e、图像纵向翻转: 开/关; (初始值为“关”)
- f、图像冻结: 开/关; (初始值为“关”)

辅助功能	扫描模式	欠扫描
辅助线	点对点显示	关
图像设定	变焦	关
色彩设定	图像横向翻转	关
快捷定义	图像纵向翻转	关
其他设定	图像冻结	关
退出	返回	关
V1.0		

4) 色彩设定

- a、亮度: 0~100 (初始值为“50”)
- b、对比度: 0~100 (初始值为“50”)
- c、饱和度: 0~100 (初始值为“50”)
- d、色温: 用户/6500K/9300K (初始值为“用户”)
- e、红: 0~255 (初始值为“128”)
- f、绿: 0~255 (初始值为“128”)
- g、蓝: 0~255 (初始值为“128”)

辅助功能	亮度	50
辅助线	对比度	50
图像设定	饱和度	50
色彩设定	色温	用户
快捷定义	红	128
其他设定	绿	128
	蓝	128
退出	返回	
V1.0		

5) 快捷键设置

本监视器能对<▲▼◀▶>方向键设置快捷功能,可设置的快捷功能有安全框、中心标记、自发彩条、音频柱、亮度直方图、辅助对焦、斑马线、伪彩、单色显示、相机模式、图像冻结、图像纵向翻转、图像横向翻转、变焦、点对点显示、扫描模式。



小贴士:

初始设置: ◀键为亮度直方图 ▶键为辅助对焦
▲键为斑马线 ▼键为伪彩

6) 其他设定

- 语言设置: 英/中/日/意大利/西班牙/德/法 (初始为“英文”)
- 菜单透明度: 低/中/高/关 (初始值为“低”)
- 音量: 0-100 (初始值为“65”)
- HDMI 音频: HDMI/视频 (初始值为“HDMI”)
- 恢复出厂设置
- 软件升级 (USB) *



小贴士:

请参考官网详细升级方法。 <http://www.aputure.com/cn/v-screen-vs-3/update/>

五、技术参数

	型号	VS-3
显示	屏幕	7.0" LCD IPS高清屏
	物理分辨率	1024 x 600, 最高支持1920 x 1080
	显示比例	全屏
	亮度	400 nit
	对比度	800:1
	可视范围	170° /170° (H/V)
输入信号接口	HDMI	Yes
	YPbPr	Yes
	AV	Yes
输出信号接口	HDMI	Yes
音频	扬声器	Yes
	耳机	Φ3.5mm
电源	工作电流	900mA
	输入电压范围	DC 7~12V
	功率	< 11W
	适用锂电池	索尼 NP-F 系列: NP-F550/F570/F770/F960/F970 NP-FM/QM 系列: FM50/FM51/FM55H/FM500H QM50/QM51/QM71D/QM91D
工作环境	工作温度	-20℃~60℃
	储存温度	-30℃~70℃
体积	外观尺寸	182 x 138 x 23mm
	重量	368g

此说明书依据本公司严格测试制定。设计和规格如有变更,恕不另行通知。