

# VF703GHC



**ORION®** | **OIC** ORION IMAGES CORPORATION

**7" LED VIEWFINDER / FIELD MONITOR (BROADCAST)**

**LED**

# 1. SAFETY INSTRUCTION

※ Follow this safety instruction to use the monitor properly and prevent the damages.

※ This safety instruction has "Warning" & "Caution" as below

-  **Warning** - If the user does not follow this instruction, it may cause the serious damage to the user.
-  **Caution** - If the user does not follow this instruction, it may cause the slight damage to the user or cause some damages to the monitor.

※ Keep this user's guide book for later use.

## Warning

Never remove the back over and touch the inside of the monitor. If you need a service, please contact the service center.



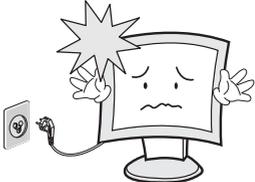
Keep away the monitor from the direct sunlight and a heating appliance.



Never push objects of any kind into this product as they may result in a risk of fire or electric shock.



Connect the power cord to the wall outlet tightly. If the power cord or plug are defective and the wall outlet is not tight, please do not use them.



## Warning

Do not install this monitor on the outside and near water. If may cause damage to the product, electric shock and fire.



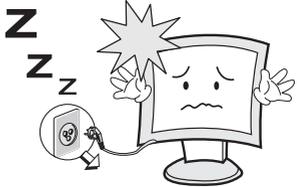
For cleaning do not use liquid cleaners. Never touch the power plug with wet-hands.



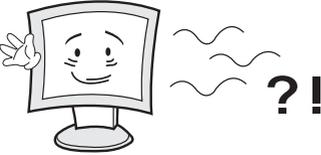
When lightning and thundering, unplug the monitor from the wall outlet and never touch it.



Unplug this product from the wall outlet, when It does not operate for a long time.



When smoking and noising from the monitor, unplug the product from the wall outlet and contact a service center.



### WARNING : How to fix

 Do not open this product as it contains high voltage inside.

It may create an electric shock.

If the user disassembles and remove the back cover, it does not make sure to make up for the damages and do a service and exchange the monitor.

### ! Cautions

Install this monitor some distance  
From the wall and do not install unless  
Proper ventilation is provided.



Place this product on a stable place.  
If not, it may fall, causing serious  
Damages to the monitor and people.



The openings must not be blocked by  
curtain, rug or other similar surface.



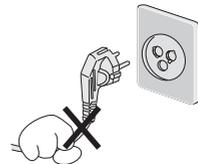
When carrying this monitor, be careful  
not to damage the panel and drop it  
It may cause some trouble.



Before carrying the monitor, turn it off and  
Unplug the signal cables and the power cord  
From the wall outlet.

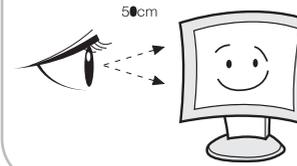


Take the power plug out from the wall  
outlet.  
Do not pull the cable. It may snap the inner-  
wires and cause overheating and fire.



### ! Cautions

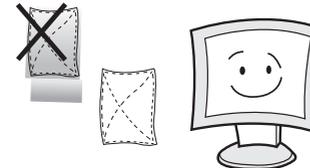
Install this monitor about 50cm far from  
the eyes and an angle of 0~15 degrees  
below eyes. Too close installation may  
cause having weak sight.



Do not press the LCD panel with hands or  
the sharpened material hardly.



For cleaning, unplug the monitor from the  
Wall outlet. Do not use the liquid cloth.  
Use the soft cloth.



Do not use the chemical liquid for cleaning.  
It may cause fading and breakage.



## FCC RF INTERFERENCE STATEMENT

### NOTE

*This equipment has been tested and found to comply with the limits for a Class A 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.
- Only shielded interface cable should be used.

*Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.*

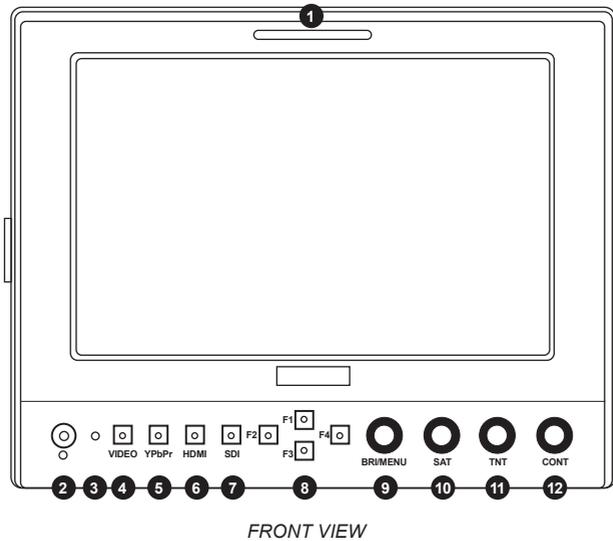
### DOC COMPLIANCE NOTICE

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.

## 2. TABLE OF CONTENTS

1. PRODUCTION DESCRIPTION	8
2. INSTALLATION OF SUNSHADE COVER	10
3. DV BATTERY MOUNT PLATE	11
4. WIRING INSTRUCTIONS	12
5. SETTING MENU	13
6. ACCESSORIES	21
7. SPECIFICATIONS	22
8. TROUBLESHOOTING	22
9. LIMITED WARRANRY	23

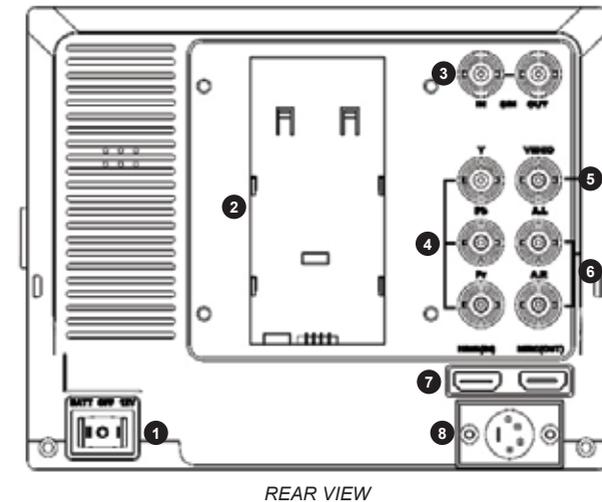
### 3. PRODUCT DESCRIPTION



- 1. TALLY (indicator light)
- 2. Earphone jack
- 3. Power indicator light  
*ON/OFF (Light turns to red when power on)*
- 4. VIDEO  
*Indicator lights up when signal switch to video state*
- 5. YPbPr  
*Indicator lights up when signal switch to YPbPr state*
- 6. HDMI  
*Indicator lights up when signal switch to HDMI state*
- 7. SDI  
*Indicator lights up when signal switch to SDI state (optional)*
- 8. F1, F2, F3, F4  
*User-definable buttons*

**F1** Peaking    **F2** Exposure    **F3** False Color    **F4** Histogram

- 9. BR/MENU  
*Press the knob to access the menu function, pressing the knob in the menu to return to the previous page or exit the menu*  
*\*Rotate knob to select an option    \*Default as Brightness function*
- 10. SAT  
*Press the knob to select main MENU options; rotate knob to confirm the selection and adjust parameter values*  
*\*Default as Saturation function*
- 11. TINT  
*Default as Tint function*
- 12. CONT  
*Default as Contrast function*



- 1. Battery power on/off switch  
*"I" is battery power "O" is power off*  
*"I" is DC power*
- 2. Battery pinch slots
- 3. SDI signal input / output (optional)
- 4. YPbPr signal input
- 5. Audio signal input
- 6. Audio (L/R) input
- 7. HDMI signal input / output
- 8. 4-pin XLR DC power input

	Pin Number	Signal
	1	GND
	2, 3	.....
	4	+12V

## 4. INSTALLATION

### 4-1 Installation of Sunshade Cover

1. As shown, buckle the sunshade cover on the device.
2. As shown, cover buttoned into the appropriate slot, and fastened in accordance with the order of the both sides.

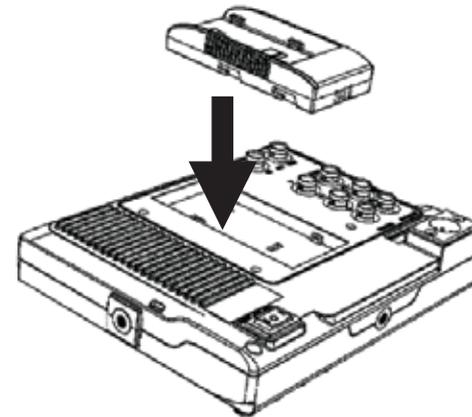


3. As shown, bend sunshade hood to meet and paste with sunshade cover interlocking.
4. Installation completed.

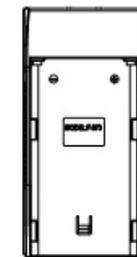


## 5. DV BATTERY MOUNT PLATE

### 5-1 Standard Mounts Precess



Following two types of battery plates are suitable for this device, model F970 & LP-E6.



F-970



LP-E6

### 5-2 DV Battery Mount Plate Specification

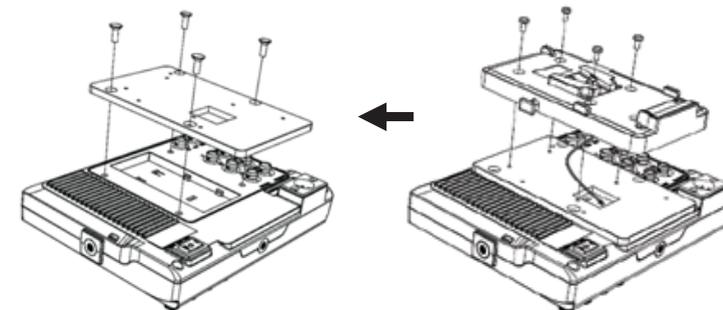
#### 1 Model F970 for battery of SONY DV

*DCR-TRV series, DCR-TRV E series, VX2100E PD P series, GV-A700, GV-D800 FD / CCD-SC / TR3 / FX1E / HVR-AIC, HDR-FX1000E, HVR-Z1C, HVR-V1C, FX7E F330*

#### 2 Model LP-E6 for battery of Canon DSLR

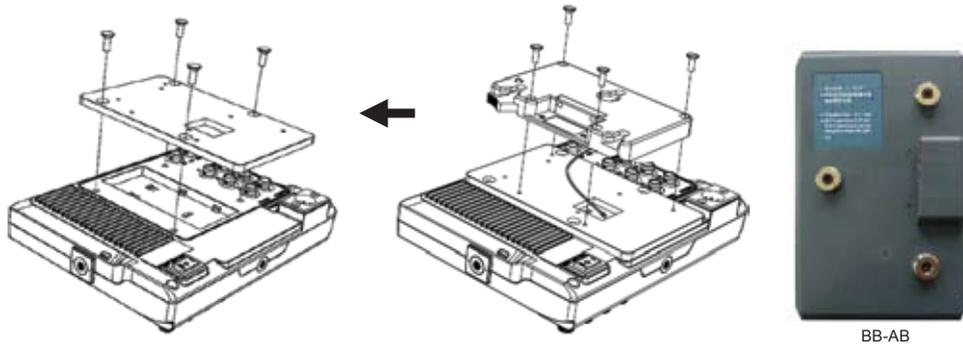
*5D Mark II / EOS7D / EOS60D*

### 5-3 V-mount battery plate (optional)



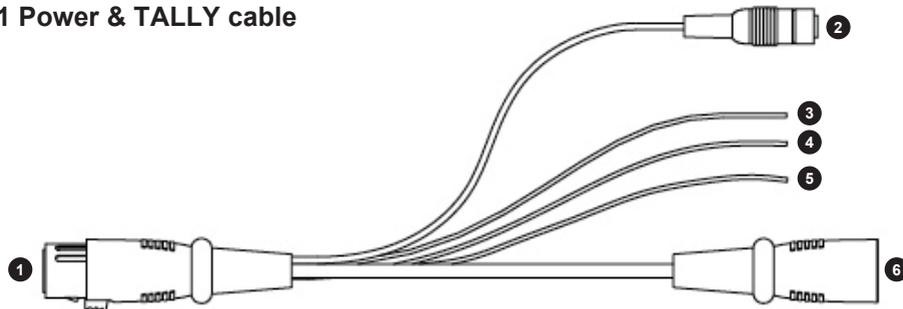
BB-IDX

### 5-4 Anton Bauer mount battery plate (optional)



## 6. WIRING INSTRUCTIONS

### 6-1 Power & TALLY cable



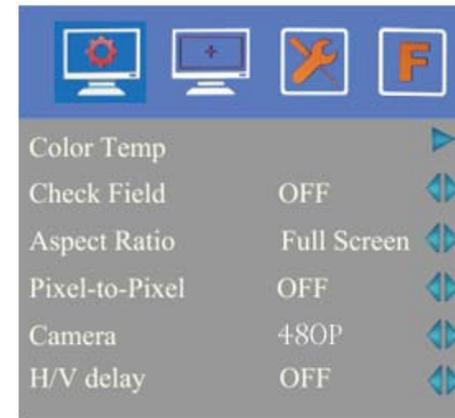
1. XLR (M) connector: to connect the XLR connector on device.
2. DC Power adapter connector.
3. Red: for TALLY red light connector.
4. Green: for TALLY green light connector.
5. Black: for grounding.
6. XLR (F) connector: for the XLR adapter.

## 6. SETTING MENU

*Before setting the functions, please make sure the device is connected correctly.*

When power on, press **BRI/MENU** knob on the device, function menus will pop-up on the screen. After confirm the option value, then press **BRI/MENU** knob to return to the previous, and press the **BRI/MENU** knob again to exit the menu settings.

**BRI / MENU** knob: to select an option. **SAT** knob to select the main menu, adjusting option values and confirm the selection.



### Color Temp

Settings: User, 6500° K, 7500° K, 9300° K.  
 Default: User  
 On User mode, user can adjust RGB gain and bias.  
*User mode is recommended for professional users only.*

### Check Field

Settings: Off, Mono, Red, Green, Blue  
 Default: Off  
 Setting Mono, Red, Green or Blue display color

### Aspect Ratio

Settings: 4:3, 16:9, Full Screen.  
 Default: 4:3  
 Setting screen aspect ratio: 4:3, 16:9 and full screen

## Pixel-to-Pixel

Setting: On, Off  
Default: Off

Shows the original picture with 1:1 pixel mapping, if the picture is larger than the monitor's LCD resolution, the center part of the picture is shown. BRI / M / SEL knob operation you can see part of the picture is not completely display.

## Camera

Settings: 480P, 1080I  
Default: 480P

For 480P screen pixel DSLR camera, such as Canon 5D II camera  
For 1080I screen pixel DSLR camera, such as Canon 5D III camera

## H/V delay

Settings: Off, H&V delay, V delay, H delay.  
Default: Off

H/V Delay allows you to check the outside signal of active picture area. This mode is for broadcast professionals.

## Underscan

Settings: On, Off  
Default: Off

HDMI monitor can not display the best resolution pixel-to-pixel mode , the output resolution is smaller than the display resolution , the display will appear black side of this situation is called HDMI underscan; Conversely , the display You can not display the entire contents of the image that HDMI overscan. Underscan / overscan principle each pixel point average tensile or compression so that the image can be completely displayed on the screen.



## Center Marker

Settings: On, Off  
Default: Off  
Set to display center marker or not.

## Screen Markers

Settings: Off, 95%, 93%, 90%, 88%, 85%, 80%  
Default: Off  
The box -shaped mark display on or off can be set in accordance with the desired ratio.



## Language

Settings: English, Chinese  
Default: English  
Set English / Chinese switch.

**PIP**

Settings: Small, Medium, Large, PBP, POP  
 Default: Small

PIP top life of the display default, Set small, medium, large screen in screen, as well as painting outside source adjustments and interchangeable , the small screen , screen and big screen , you can also adjust the display position , respectively, for the upper left , upper right , lower left and lower right.

*Shortcut key of PIP function will be available after setting in the menu.*

**SDI**

Settings: On, Off  
 Default: Off  
 Connect 3G-SDI signal can be set to turn on or off .

**Input Format OSD**

Settings: 5s, 10s, 15s  
 Default: 5s  
 The menu signal display period , display the length of time can be set according to individual needs.

**LOGO**

Settings: On, Off  
 Default: Off  
 Boot LOGO settings.

**Freeze Input**

Settings: On, Off  
 Default: Off  
 Lock screen displays the current mode.

**Flip H**

Settings: On, Off  
 Default: Off  
 As like a mirror, the effect of an interface Flip Horizontal displayed locked.

**Flip V**

Settings: On, Off  
 Default: Off  
 As like a mirror, the effect of an interface Flip Vertical displayed locked.

**Peaking**

Settings: Mono, Color  
 Default: Mono  
 Adjust Mono or Color.

**Assistant Func.**

Settings: Manual, Auto  
 Default: Auto

Auxiliary functions automatically. Automatically set to adjust the brightness , contrast and hue corresponding menu function can also be set manually.

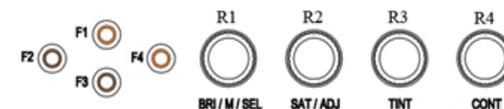
**Manufacturer Default**

Settings: OK, Cancel  
 Default: Cancel

When on the picture shows size error, "Manufacturer default" operation of the equipment, which restore the factory settings, the previous record on the device no default to factory settings. Reverse the SAT / ADJ knob to select "OK"

**ISP**

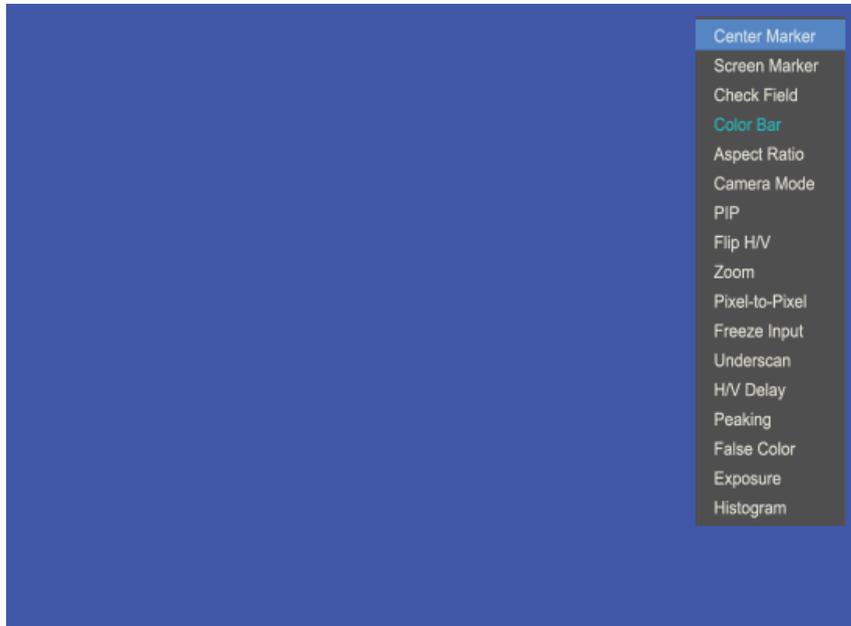
For program upgrades, Please reboot your computer if press accidentally.



Function of buttons and knobs can be customized by users' needs.

Functions of F1-F4 buttons can also be customized: Center Marker, Screen Marker, Check Field, Color Bar, Camera, PIP, Flip, Zoom, Pixel-to-Pixel, Freeze Input, Underscan, H/V delay, Peaking, False Color, Exposure and Histogram.

Long keep press any F1-F4 button to pop-up shortcut menu when screen without a menu. As follows (item selected default as blue font):



Functions of R1-R4 buttons can also be customized: Contrast, Brightness, Saturation, Tint, Volume, Sharpness and Back Light.

## 7. ACCESSORIES

### 7-1 Standard Accessories



NO.	Name of Each Part	Qty
1	Sun Shade Cover / Hood	1 piece
2	Battery plate (F-970 / LP-E6)	2 pieces
3	HDMI A/C cable	1 piece
4	Power & TALLY cable	1 piece
5	Shoe Mount (for camera only)	1 piece
6	12V DC adapter	1 piece
7	Carrying Case	1 piece
8	Operation Manual	1 copy

### 7-2 Optional Accessories



NO.	Name of Each Part	Qty
1	Anton Bauer Mount Battery Plate, BB-AB	1 piece
2	V-mount Battery Plate, BB-IDX	1 piece

## 8. SPECIFICATIONS

Model No.	VF703GHC
Screen Size	7" LED backlit
Max. Resolution	1280 × 800
Brightness	400cd/m <sup>2</sup>
Contrast	800:1
Viewing Angle	178°/ 178° (H/V)
Input Voltage	DC12V (XLR DC Connection)
Input Signal	HDMI, YPbPr, AV and 3G-SDI (optional)
Current	900mA
Power Consumption	≤11W
Size:(LWD)	191.5 × 152 × 31mm / 141mm (with cover)
Weight	760g / 938g (with cover) / 2160g (with carrying case)

\*Design and specifications are subject to change without notice

## 9. TROUBLE SHOOTING

### 1. Only black-and-white display

Check whether the color saturation is properly setup.

### 2. Power on but no pictures

Check whether the cables of Video, HDMI, YPbPr and SDI are correctly connected. Please use the standard power adapter coming with the product package. Improper power input may cause the device.

### 3. Wrong or abnormal colors

Check whether the cables are correctly and properly connected. Broken or loose pins of the cables may cause a bad connection.

### 4. When on the picture shows size error

Press "BRI/MENU → Underscan" to zoom in / out pictures automatically When receiving HDMI signals.

### 5. Other problems

Please press "BRI/MENU" button and choose → Manufacturer Default → OK

### 6. According to the ISP, the machine can not function properly

ISP for program upgrades, non-professionals do not use. Please reboot your computer if press accidentally!

*\* It is normal to see some bright lines appear on the screen when turn off the device.*

## 10. 1 YEAR LIMITED WARRANTY

All ORION Images products carry a limited warranty from ship date against defects in materials and workmanship. ORION Images is not liable for improper installation that results in damage to mounts, adapters, display equipment or personal injury.

### Contact ORION Images

In the event of missing and/or damage equipment, or technical questions, the following information can help in the completion of the installation.

Address: 7300 Bolsa Avenue, Westminster, CA 92683

Tel: 714-766-6300 / Fax: 714-766-6310

Email: sales@orionimages.com

Website: http://www.orionimages.com

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