SWIT®

SWIT ELECTRONICS CO., LTD.

SWIT 4K

User Manual

Please read this user manual throughout before using

Ver：A

Preface

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Due to constant effort of product development, SWIT reserves the right to make changes and improvements to the product described in this manual without prior notice.

The warranty period of this product is 2 years, and does not cover the following:
⑴ Physical damage to the surface of the products, including scratches, cracks or other damage to the LCD screen or other externally exposed parts;
⑵ There are no continuous bright or dark spots on the LCD panel;
⑶ Any damage caused by using third-party power adaptors;
⑷ Any damage or breakdown caused by use, maintenance or storage not according to the user manual.
⑸ The product is disassembled by anyone other than an authorized service center.
⑹ Any damage or breakdown not caused by the product design, workmanship, or manufacturing quality, etc.
＊ Any sales personnel have no rights to provide additional warranty.

For any suggestions and requirements on this product, please contact us through phone, fax, Email, etc.

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Maintenance

Warning

1. In order to reduce the risk of fire and electrical shock, do not lay this product in rain or damp places.
2. Please keep away from the strong magnetic field; it may cause the noise of the video and audio signals.

The power

1. Please use the power adapter provided or recommended by the manufacturer in order to avoid damage.
2. For a third party power adapter, please make sure the voltage range, supplied power, and polarity of power lead are fit.
3. Please disconnect the power cable under the following situations:
(A). If you do not operate this monitor for a period of time;
(B). If the power cable or power adaptor is damaged;
(C). If the monitor housing is broken.

The monitor

1. Please don't touch the screen with your fingers, which would probably deface the screen.
2. Please don't press the screen; the LCD is extremely exquisite and flimsy.
3. Please don't lay this product on unstable place.

Cleaning

1. Please clean the screen with dry and downy cloth or special LCD cleanser.
2. Please do not press hard when cleaning the screen.
3. Please do not use water or other chemical cleanser to clean the screen. The chemical may damage the LCD.

Contents

Packing list

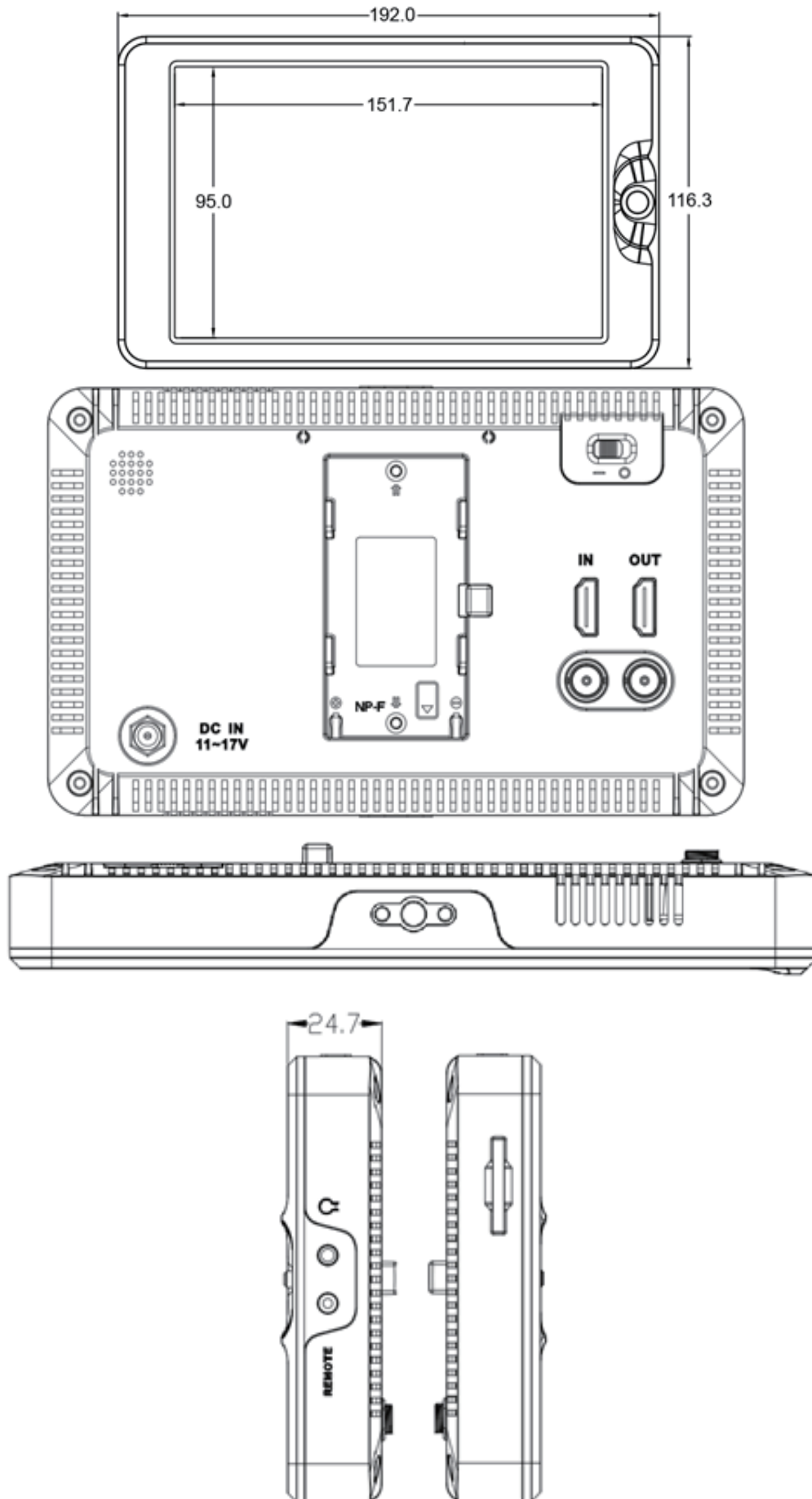| No.	Standard package	Details
1	Monitor	X1
2	Ac power adapter	X1
3	Ball cup	X1
4	D-tap to DC IN cable	X1
5	Warrantee card	X1
6	Certificate	X1

Introduction

CM-S75F is a high-performance UHD SDI/HDMI On Camera Monitor to monitor professional 4K HDMI and 2K SDI for outdoor photography. The unit is designed in a high impact plastic frame, and the professional screen glass at full resolution of 1920x1200 with 3000nit brightness. It supports 1x HDMI,1x SDI input and 1x HDMI,1x SDI output.

Features:

- Up to 3000nit highlights
- Support 2K SDI and 4K HDMI input
- Support output to external cameras (such as SONY, Panasonic, Canon etc.)
- Support high quality waveform, vector, histogram and audio meter.
- Support multiple assistants: Zebra, Focus Assist, Exposure Assist, Peaking Adjust.
- Provide a five directions joystick as a navigation tool to scroll between scenes pages and set features
- Support SONY NP-F series batteries
- Provide versatile build-in 3D-LUT tables, supporting the general LUT files
- Support Anamorphic Desqueeze functionality in multiple modes:1X, 1.33X, 1.5X, 1.66X, 2X, 2XMAG
- Support Image ZOOM functionality to double(2X) or quadruple(4X) the image, and to pan the image in every direction
- A variety of power supply to meet different needs
- Upgrade via USB firmware

The main body (in mm)

1、Install Battery

Only support SONY NP-F series currently. Please take note of the battery installation direction according to the "NP-F" icon near the slot when mounting the battery. The icons are as shown in the following illustration,slide the battery down into the slot until heard a click.

2、Install Sunhood

In case of diffusion light and direct illumination, we can use sunhood for the monitor when supervising images.

First, spread the sunhood along the fold lines, then pull the rubber belts into the depressed slots at both sides of the rear panel of the monitor,adapting to the monitor tightly as below:
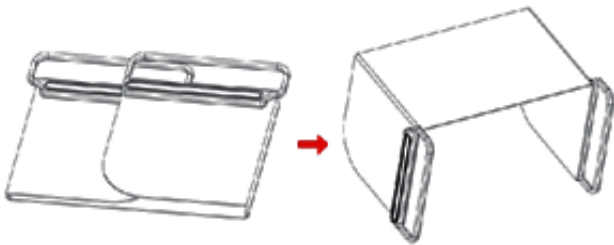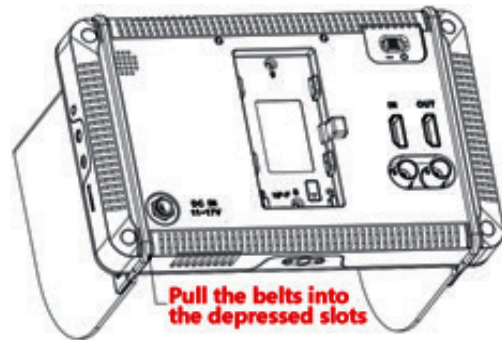
Figure 1:Spread Sunhood   Figure 2:Fasten the Belts

3、Hanger Installation

There are two 1/4 inch screw holes on the monitor for installing various types of hangers, as shown in the illustration below. Screw the hanger into the screw hole, and fasten it tightly.
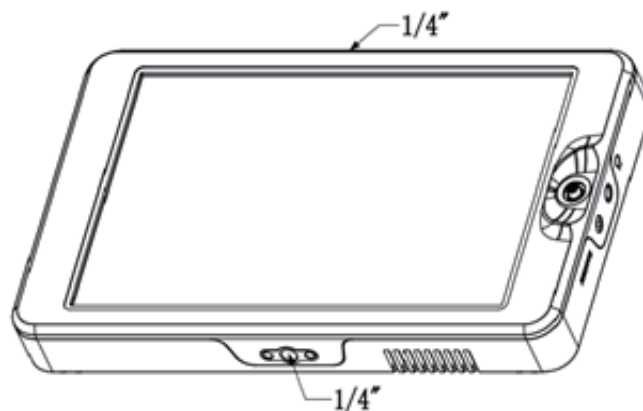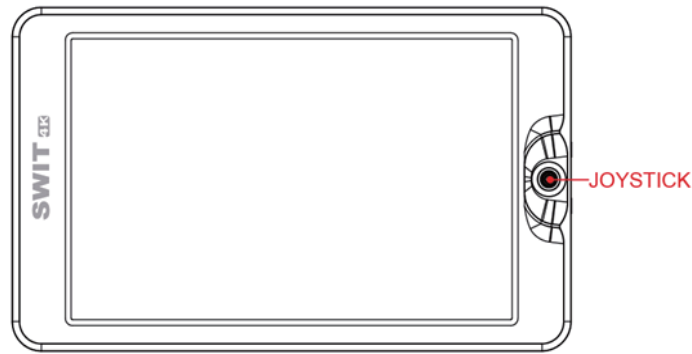
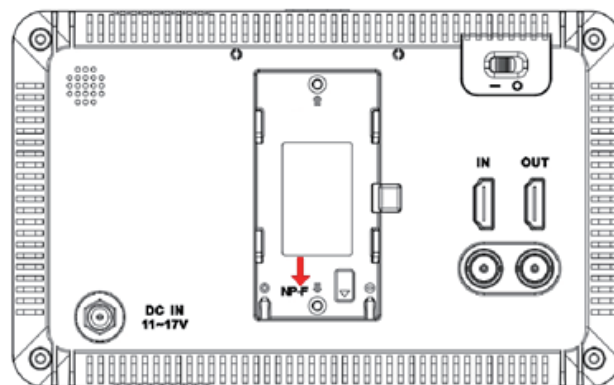Figure3: Positions for Hanger Installation

•Front Panel

1、Joystick (Up, Down, Left, Right and Straight Down)
Used for monitor settings, adding tools for scenes, tools settings, zoom image and so on.

Left	Without any menu, scroll leftmost and hold on for 3 seconds to access the monitor settings menu;
	In ZOOM 2X or ZOOM 4X editing mode, scroll left the joystick to move left the starting position of the enlarged image
	In monitor settings mode, scroll left to return to the previous level menu, or decrease the item value;
	In a tool bar of a scene, scroll left to return to the previous level menu or the downward adjustment the item value.
Right	Without any menu, scroll right to switch to a scene, or scroll right and hold on for 3 seconds to create a new scene
	In ZOOM 2X or ZOOM 4X editing mode, scroll right the joystick to move right the starting position of the enlarged image
	In monitor settings menu, scroll the joystick right to access the next level menu, or increase the item value
	In a tool bar of a scene, scroll right to access the next level menu or the upward adjustment the item value.
Up	Without any menu, scroll up to access ZOOM mode. Keep scrolling up, and switching among these three modes FULL→2X→4X;
	In ZOOM 2X or ZOOM 4X editing mode, scroll up the joystick to move the starting position of the enlarged image;
	In monitor settings, scroll up to select the previous item or increase the item value
	In scene tool menu, scroll down to select the previous item or increase the item value.
	In a scene, scroll up to close the scene deletion prompt (No.1 scene can't be deleted) or close the Backlight menu.
Down	In ZOOM mode, scroll down to exit ZOOM mode.
	In ZOOM 2X or ZOOM 4X editing mode, scroll up the joystick to move the starting position of the enlarged image
	In monitor settings mode, scroll down to select the next item or decrease the item value
	In scene tool menu, scroll down to select the next item or decrease the item value
	In scene page, scroll down to display the Backlight menu, and hold on for 3 seconds to prompt the scene deletion command.

Straight down	In ZOOM 2X or ZOOM 4X mode, press straight down the joystick to access editing the starting position of the enlarged image mode; In ZOOM 2X or ZOOM 4X editing mode, press straight down the joystick to confirm and finish the adjusting of the starting position of the enlarged image;
	In a scene, press straight down to display the Tool menu;
	In a tool bar of a scene, press straight down the joystick to enable or disable the selected tool;
	In monitor settings mode, press straight down the joystick to access the next level menu, or confirm the selection of the last level menu item and return to the previous level menu.

•**Rear Panel**

1.Power switch: Switch to "|" position to power on; and switch to "O" position to power off

2.SD neck: used to load the customized LUT tables, and update firmware.

3.HDMI IN:HDMI input interface, supports HDCP, compatible DVI1.0, HDMI Type-A

4.HDMI OUT: HDMI output interface, supports HDCP, compatible DVI1.0, HDMI Type-A

5.SDI IN:SDI input interface, BNC

6.SDI OUT: SDI output interface, BNC,supports loop out

7.DC IN:DC power input,11~17VDC

8.REMOTE: Remote control, headphone output, 2.5mm Jack

9. : Headphone output jack, 3.5mm stereo Jack

10.Speaker: Internal speaker

11.Two methods for powered

Mode1: Powered by battery. There is a built-in battery slot at the rear panel of the monitor. It supports SONY NP-F series batteries.(6V～8.4V)

Mode 2: Powered by DC power input. Use smart phone charger or power bank to connect external power through the DC IN interface.(11~17VDC)

You can get closer view to your image in ZOOM mode. It provides 2X ZOOM mode and 4X ZOOM mode, that is you can double(2X) or quadruple(4X) the image, and move the starting position of the enlarged image.

1. Zoom 2X Editing Mode

Scroll right the joystick to access a scene, and then scroll up the joystick to access Zoom 2X mode, the image is twice as large as the original one. There will be a Zoom 2X icon at the bottom right of the screen.

After accessing the Zoom 2X Mode, press straight down the joystick to move the starting position of the enlarged image. The small rectangle with four direction arrows in this icon represents the current full screen image in the monitor, you can judge where this area is in the original image.
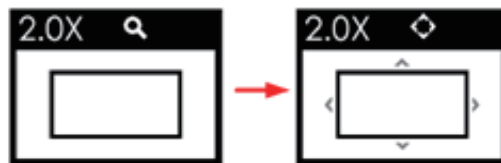

Figure 4: Zoom 2X Editing Mode

Meanwhile, scroll up, down, left or right the joystick to move the displayed area to the relevant direction, then, press straight down the joystick to confirm and finish the movement and exit the Zoom 2X Editing mode.

2. ZOOM 4X

Scroll up the joystick to show the Zoom 2X mode, and then keep scrolling the up the joystick to show the Zoom 4X mode, the image is four times as large as the original one. There will be a Zoom 4X icon at the bottom right of the screen.

After accessing the Zoom 4X Mode, press straight down the joystick to move the starting position of the enlarged image.

There will be a Zoom 4X Editing icon at the bottom right of the screen,

As the same as Zoom 2X editing mode, scroll up, down, left or right the joystick to move the displayed area to the relevant direction, then,press straight down the joystick to confirm and finish the movement and exit the Zoom 4X Editing mode.

3. Original Image Mode

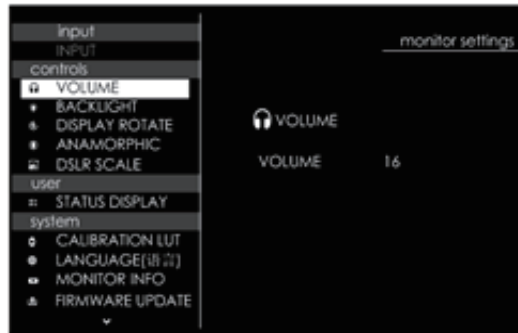In Zoom 2X mode or Zoom 4X mode, press straight down the joystick,it will recover and display the original image.

※TIPS: The scene tools are not editable in ZOOM 2X or ZOOM 4X mode.

Monitor settings contains the settings on input, volume, backlight, display rotate, anamorphic, DSLR scale, status display menu, LUTs, language, firmware and so on, as shown in the following figure:
Use steps:
Turn the rocker for 3 seconds to turn on the main menu

The menu interface is divided into two parts: Level one menu and Level two menu.

Menu List for Monitor Settings
The level one menu is the main menu list for monitor settings, including input output, controls, user, and system. Scroll up and down the Joystick to navigate to the level one menu of the monitor settings and select a menu item. The selected menu item will be highlighted in a control icon.
Submenu for Monitor Settings
The details of the selected menu item is located at the center right of the screen. You can check the content of the current menu item. Scroll straight down the joystick, it will access the level two menu page, and the control icon followed. Then, scroll up or down to select the submenu item, after that, scroll left or right to switch or adjust the value of the selected submenu item, at last, Scroll straight down to return to the previous level menu and confirm the setting.

※TIPS: The control icon is displayed as a highlight white rectangle at the background of the current active item.

Main Menu

1.Input: The INPUT menu provides HDMI input
  HDMI: Select the input signal source
2. Controls: The CONTROLS menu items are used to adjust volume, backlight, rotating image, and set anamorphic ratio and image size from DSLR device. The menu items are as shown in the following figure:

Volume: Adjust the volume in the range 0 to 31, the default value is 16.

Select "control→VOLUME" item, scroll straight down to confirm the selection and display the VOULME menu. Scroll left to decrease the volume, or scroll right to increase the volume. Scroll it down to return to the previous level menu.

Backlight: Adjust the backlight in the range 0 to 10, the default value is 8.

Select "control→BACKLIGHT" item, scroll straight down to confirm the selection and display the BACK-LIGHT menu. Scroll left to decrease, while scroll right to increase the backlight. Besides, scroll down the joystick to display the Backlight menu directly in a scene, then scroll up to exit this menu.

Display Rotate:

① Screen Rotate: Rotate the image and menus, the default is AUTO.
  Set "control→Display Rotate→ Screen Rotate" item to be 180, 0 or AUTO, the input image will reverse vertically with the menus.

② Image Rotate: Rotate the image, the default is 180
  Set "control→Display Rotate→ Image Rotate" item to be 180 or 0, the input image will reverse verti-cally.

Anamorphic: Set the anamorphic ratio, the default is 1X.

Select "control→ANAMORPHIC" item, scroll straight down to confirm the selection and display the ANAMORPHIC, scroll left or right to cycle through these anamorphic ratios: 1X,1.33X, 1.5X, 1.66X, 2X, 2XMAG.

DSLR Scale: Enable the input signal from a variety of DSLR cameras to fill the screen of CM-S75F. This item is particularly to CANON/NIKON DSLR.

  When the input source is coming from CANON 5D MARK II or CANON 7D DSLR device, but the "control →DSLR SCALE" item is set as NONE, the DSLR SCALE function is disable, there will be blank area at the surrounding of the image. Otherwise, set as the relevant DSLR model, it will enlarge and display the image at full screen, removing those useless blank bars.

  For different DSLR SCALE item value, the resolution comparison of the input and output is as shown in the table below:

DSLR SCALE Item	INPUT RESOLUTION	OUTPUT RESOLUTION
NONE	1920X1080	1920X1080
CANNON 5D MARK II (	(1920X1080)x0.85	1920X1080
CANNON 7D	(1920X1080)x0.85	1920X1080

3. User: Used to set the status display bar, Fast mode, multiple images display mode and settings, backlight, auto standby mode, aperture, language mode, horizontal flip, and uniformity.

Status display: Enable/disable the status bar at the top of the screen

Set "user→STATUS DISPLAY" item to be ON, it will display the Status bar at the top of the screen, including these information from left to right: Input source format and the battery voltage indication.

The Signal Format usually displays as the following situations:

① UNKNOWN: appears if an unsupported signal is input.

② NO SIGNAL: appears if no signal is detected.

③ Normal: the signal format is displayed as HDMI 1080i59.94, etc.when the input is supported by the monitor.

Battery voltage indicator: Displays the voltage parameters of the battery.

4. System: The system menu provides calibration, language selection, firmware update, LUT file loading and factory reset operations.

Calibration LUT:

Calibration LUT includes item as following:

①Color Temp: Select a calibration standard for the panel, the default is Native.

②Gamma: Set Gamma, the default is 2.2.

③Calibration LUT: Enable/disable calibration LUT, the default is ON.

Set "system→CALIBRATION LUT→CALIBRATION LUT" item as ON, it will be able to load LUT file.

Set "system→CALIBRATION LUT→CALIBRATION LUT" item as OFF, it will be disable to load LUT file.

④Brightness: Adjust the brightness in the range 0 to 100, the default is 50.

⑤Saturation: Adjust the saturation in the range 0 to 100, the default is 50.

⑥R-Gain: Adjust the brightness in the range 0 to 512, the default is 512.

⑦G-Gain: Adjust the brightness in the range 0 to 512, the default is 512.

⑧B-Gain: Adjust the brightness in the range 0 to 512, the default is 512.

⑨RGB Gain Reset: Reset R,G,B GAIN

⑩Color From: Copy this parameter value to USER, the default is D65.

⑪Input Levels: Set color range, the default value is Video.

Language: Select a language mode, the default is 中文.

Monitor INFO:

① Version: Show the firmware versions.

② Serial Number: Show serial number.

③ Model: Show device model.

Firmware Update: Execute firmware update.

Load LUT File : Load a color look profile from SD card.

Factory Reset:

①Execute Factory Reset: Revert the factory settings

②Logo Display: Enable/disable LOGO display

Scenes Tools Settings

You can create customized scenes pages with different features and settings in CM-S75F. In a scene, press the joystick straight down, and select ADD NEW TOOL command, and press the joystick straight down again, it will display the Tools Menu.

The tools menu provides access to tools aiding in composition, focus and exposure for a scene, you can add several tools on a scene, and then they will be listed in a tool bar. After adding tools to the tool bar of a scene, you can edit the tool's attributes by its tool settings menu.

1、Frame Tools: Frame tools assist to set viewing frame, including aspect area, safe area, center and crosshatch. Show or hide these markers by their switches easily, and their display style and transparency are adjustable.

Aspect:

① Enable: Enable/Disable area marker display, the default is OFF.

② Ratio: Select the marker type, the default is 4:3.

③ Width: Set the width of the mat area in CUSTOM mode in the range 25 to 100, the default is 75.

④ Height: Set the height of the mat area in CUSTOM mode in the range 25 to 100, the default is 75.

⑤ Setting: Set the mat area type is 50% darken area or line, the default is MATTE.

SAFE:

① Enable: Enable/Disable safe marker display, the default is OFF.

② Format: Set the safe marker position, the default is 16:9.

③ Action: The safe marker is displayed as an outside frame, proportional to 92% of the FORMAT, the default is OFF.

④ Title: The safe marker is displayed as an inside frame, proportional to 80% of the FORMAT in horizontal direction, and 90% of the FORMAT in vertical direction.

Center: Enable/Disable crosshair display.

Cross Hatch:

① Enable: Enable/Disable crosshatch display.

② Regions: Set the cross line number in the range 2 to 9, the default is 2.

※Annotation

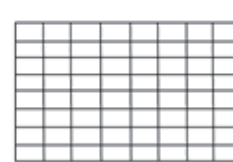| ASPECT	SAFE MARKER	CROSSHAIR	CROSS HATCH
This marker identifies an area with a specified aspect ratio.	This marker displays a rectangle to identify the safety area with a specified percentage in Area Marker.	This marker enables easier checking the center portion's focus.	This marker displays multiple vertical and horizontal lines to help when users check the composition of a picture.

2、Expose Tools: Expose tools provide false color, zebra, histogram, waveform and vector scope.

False color: EXPOSURE ASSIST is also known as FALSE COLOR, this function generates an artificial luminance map of the input signal that can be useful to identify over exposed areas (exposure). This is a quick way to gauge the exposure levels of an image in a clear way.

①Enable: Enable/Disable false color function

②Setting: Set the type of the false color, the default is Specturn.

Zebra: Used to display images on the screen with a zebra pattern to adjust the camera exposure parameter. It will compare the signal luminance with the ZEBRA LEVEL, and fill the relevant image area whose luminance is higher than the ZEBRA LEVEL with a zebra pattern.

①Enable: Enable/Disable the zebra function that will compare the signal luminance with the ZEBRA LEVEL, and fill the relevant image area whose luminance is higher than the ZEBRA LEVEL with a zebra pattern.

②Setting: Set the reference level of detecting luminance in the range 0 to 100,the default is 50.

Histogram: Histogram assists in judging the distribution of luminance in the image.

①Enable: Enable/Disable histogram display

②Setting: Set the type of the histogram

③Location: Set the position of the histogram

④Opacity: Set the transparency of the histogram

Waveform:

①Enable: Enable/Disable waveform display

②Setting: Set the type of the waveform to display the following three kinds of waveform as LUMA, RGB, PARADE

③Size: Set the size of the waveform

④Location: Set the position of the waveform

⑤Opacity: Set the transparency of the waveform

Vector:

①Enable: Enable/Disable vector scope display

②Location: Set the position of the vector scope

③Opacity: Set the transparency of the vector scope

※Annotation

1、There are 8 positions for display the histogram, waveform and vector scope on the screen, they are Top right, Bottom left, Middle right, Middle right, Middle left, Bottom right, Top left, Middle bottom, Top middle. As shown in the following figure:
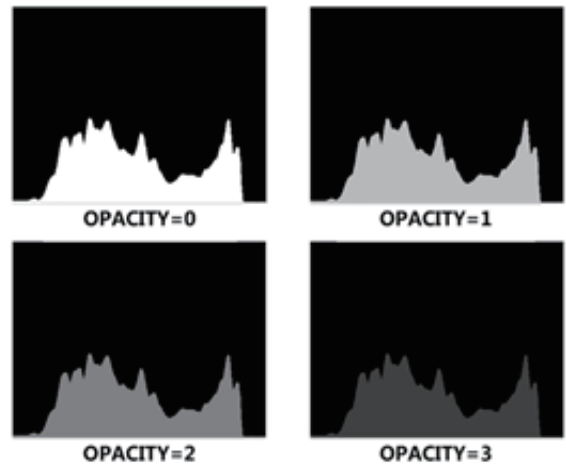

2、There are 4 degrees of opacity for display the histogram, waveform and vector scope on the screen. Set the transparency through the OPACITY item.

◎ 0: 100%, when opacity set to 0, the assistant element (histogram, waveform or vector scope) is opaque, not transparent.

◎ 1: 75%, when opacity set to 1, the assistant element (histogram, waveform or vector scope) is proportional to 75% opacity.

◎ 2: 50%, when opacity set to 2, the assistant element (histogram, waveform or vector scope) is proportional to 50% opacity.

◎ 3: 25%, when opacity set to 3, the assistant element (histogram, waveform or vector scope) is proportional to 25% opacity.

3、**Focus Tools:** Focus tools provide the focus assist function and the peaking function. Set display color, sensitivity and display type for focus assist, and set intensity for peaking detecting.

Focus assist: Used to display images on the screen with intensified edge to help camera focus operation. The intensified edges are those areas whose difference value exceeds the reference focus level (SENSITIVITY), and the intensified edge are displayed in the designated color set by COLOR.

①Enable: Enable/Disable focus assist function

②Color: Select the color of the focus assist edge. For standard color, the intensified edges highlight in white.

③Sensitivity: Set the edge difference value between the edges in an image, and take this value as the reference value. Larger value means more detail detection.

④B&W Background: Set the Focus Assist display mode: color mode or black & white mode.

Peaking:

①Enable: Enable/Disable peaking function over sharpen the image.

②Intensity: Set the sharpness level of the image in the range 1 to 10, the default is 5. The higher the value, the sharpener the image.

4、Look Tools: Look tools provides loading 3D LUT profile and adding audio meter to current scene.

Look:

①Enable: Enable/Disable LUT profile function.

②Setting: Select the LUT type.

③Camera LUT: Select a camera LUT.

④User LUT: Select a user LUT.

⑤User LUT Name: Display the user LUT name.

Audio meter: The audio meter could be displayed at the left bottom or right bottom of the screen, and the opacity could be set from 0 to 3. The volume in normal range appears in green, above -20dB but

below -10dB appears in yellow, and above -10dB appears in red, as shown in the following:

①Enable: Enable/Disable audio meter display

②Location: Set the position of the audio meter
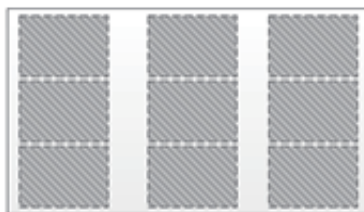
④Opacity: Set the transparency of the audio meter

5、Scale Tools: Used to adjust the horizontal and vertical size of the screen.

Image Re-size:

①Enable: Enable/Disable image scale function

②Location: Set image position on screen

※Annotation

1、Image Position: There are 9 positions for display the small image on screen, they are TOP RIGHT, MIDDLE RIGHT, BOTTOM RIGHT, MIDDLE BOTTOM, BOTTOM LEFT, MIDDLE LEFT, TOP LEFT, TOP MIDDLE and CENTER, as shown in the following:
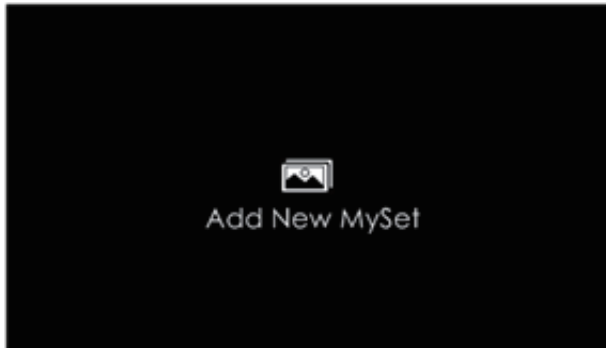
6、 Tools Operations:

Add a Scene:

You can customize up to 8 scenes in CM-S75F for various requirement, and switch swiftly among these scenes by joystick operations.

Scroll the joystick right and hold for 3 seconds to add a new scene, it will prompt "Add New MySet" command in the bottom center of the screen, as shown in Figure 6.2-1, press the joystick straight down to confirm the operation.

The scene will be numbered in sequence, and the name (a scene icon followed by a number) will be displayed at the bottom center of the screen, as shown in the following figure:

Scroll the joystick left or right to switch among scenes.

※TIPS:No.1 scene exists by default.

Delete a Scene:

Scroll the joystick down in a scene, it will display the DELETE command at the bottom of the screen. Press the joystick straight down to confirm deletion, and there will be a waiting prompt during the deletion. Wait until the prompt disappeared, then the scene deletion is completed.

※TIPS:No.1 scene exists by default.

Add a Tool: After creating a scene, add some tools to assist in composition, for example, add a marker, waveform, histogram or audio meter, etc.

Scroll the joystick down, it will pop up the "ADD NEW TOOL" command, as shown in the following figure. Press the joystick straight down to confirm, and it will pop up the Tools Menu on screen.

Scroll the joystick up or down to select your desired scene tool, and press the joystick straight down to confirm, the selected tool will be added to the Tool Bar of the current scene.

※TIPS
1、Each scene supports up to 8 scene tools.
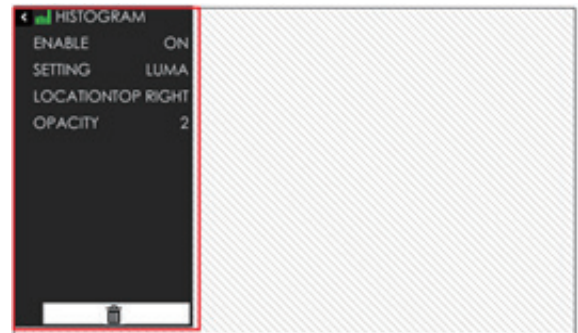2、You can add more than one of the same tool in a scene.

Load/Close Tool Bar：In a scene, after added the tools, you can load the tool bar or close the tool bar.
①Load Tool Bar：First, scroll the joystick right to access a scene; Second, press the joystick straight down to load the tool bar for the current scene, the tool bar will be displayed the leftmost of the screen, as shown in the following figure. The bar labeled in the red rectangle are the tool bar for the current scene.

②Close Tool Bar: After loading a tool bar, scroll the joystick left to close the tool bar. When in editing tool setting menu status, scroll the joystick left to return to the previous menu, then scroll the joystick left to close the tool bar.
③Open tool setting menu: After loading a tool bar, scroll the joystick right to access tool settings menu, as shown in the following figure:

Scroll the joystick left to return to the tool bar and close the tool setting menu.
Open/Close a Tool:
①Open a Tool: First, press the joystick straight down to load the tool bar of the current scene; Second, scroll the joystick up or down to select a tool; At last, press the joystick straight down to open the tool.
②Close a Tool: Press the joystick straight down to close the tool after opened it.
Select a Tool: Scroll the joystick up or down to select a tool after loading the tool bar.

※TIPS: The tool icon in the tool bar will change in highlight green of opened status, and will change in white of closed status.

Tool Settings:

Add tools for a scene through the tool settings, then, set a tool's attributes by scrolling the joystick right, it will display the tool settings menu on the screen.
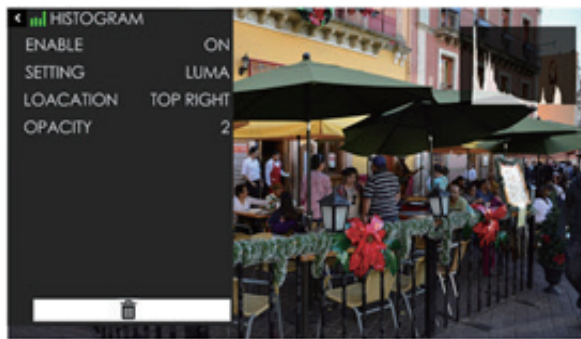
Scroll the joystick left or right to switch among different scenes. The tool bar is hidden when switching to a scene by default. You should press the joystick straight down to display the tool bar for the current scene.

Operate the tool bar to display each tool settings menu, and set the style, location or size of the tool.

> ※TIPS: The parameters of the tool could not be modified until the tool is opened.

Delete a Tool:

In a scene, press the joystick straight down to display the tool bar for current scene, and scroll the joystick up or down to select the tool which you want to delete, then scroll right to access the tool setting menu, and select DELETE command at the end of the menu list, as shown in the following picture:

Press the joystick straight down to confirm the selection, and it will pop up a prompt to confirm the deletion, as shown in the following picture, press straight down to delete, then the tool will be deleted from its tool bar.

> ※TIPS: The effect or window displayed on the current scene will be closed after the relevant tool is deleted.

Specification

Display	
Dimension	7″
Aspect Ratio	16:10
Viewing Angle	H/V：160°/160°
Resolution	1920×1200
Contrast	1200:1 (Typ.)
Brightness	3000 cd/㎡

Input／Output insert		
Input	HDMI×1	HDMI Input
	SDI×2	SDI Input
Output	HDMI×1	HDMI Output
	SDI×1	SDI Loop Output

Input Signal Formats	
HDMI	4KP (30／29.97／25／24／23.98)
	2160P (30／29.97／25／24／23.98)
	1080P (60／59.94／50／30／29.97／25／24／23.98)
	1080I (60／59.94／50)
	720P (60／59.94／50)
	480P60 576P50
SDI	2KP (60／59.94／50)
	1080P (60／59.94／50／30／29.97／25／24／23.98)
	1080I (60／59.94／50)
	1080psf (30／29.97／25／24／23.98)
	1035I (60／59.94)
	720P (60／59.94／50／30／29.97／25／24／23.98)

Connector Type	
HDMI IN	HDMI Type A
HDMI OUT	HDMI Type A, loop out
SDI IN	BNC
SDI OUT	BNC, loop out
Audio	3.5mm Stereo Jack
Control	2.5mm Jack

General	
Working voltage	DC：11～17VDC
Battery	6V~8.4V
Power consumption	18.8W
Working temperature	0°C～+50°C
Dimensions	192.0×116.3×24.7mm
Net weight	450g

Trouble-shooting

Symptom	Possible Causes	Solution
No display	The power is not turned on	Please check if the power is connected, and then press "POWER" button to turn on the monitor
	Unstable power voltage	Reconnect to power supply
	BNC or HDMI cable loose contact or not correctly connected	Check and correctly connect the BNC or HDMI cable
	The attached battery is no power	Change battery
	Using DIY power supply but the polarity is reversed	Refer to the provided power supply, reconnect the power.
Image or color abnormal	Bad contact of BNC or HDMI cable	Change cable
	Video signal has Interference	Remove the interference source(s)
	Improper adjustment of the color parameters	Adjust the "Recall profile" to "Factory" under "System" submenu
	Distortion of the image	Reset the Aspect ratio
	Turn on the "Focus Assist" function	Turn off the "Focus Assist" function
	Turn on the "False Color" function	Turn off the "False Color" function
No audio output	Bad contact of signal cable	Change signal cable
	Wrong connection or bad contact of Audio cable	Connect to the correct input socket.

SWIT

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