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› FocusFoto Fotga C50 On-Camera Field Monitor User Manual

FocusFoto C50

FocusFoto Fotga C50 On-Camera Field Monitor User Manual

Model: C50 HDMI+SDI

1. INTRODUCTION

Thank you for choosing the Fotga C50 On-Camera Field Monitor. This 5-inch ultra-bright 2000nit HD IPS touch screen monitor is designed for professional video production, offering advanced features such as 3G SDI, 3D LUT, Waveform, Vectorscope, and 4K HDMI input/output. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance and longevity of your device.

2. PRODUCT OVERVIEW

2.1 Key Features

- **Display:** 5-inch IPS screen with 2000nit ultra-high brightness for daylight visibility.
- **Video Inputs/Outputs:** Supports 4K HDMI and 3G SDI input/output.
- **Professional Monitoring Tools:** Includes Waveform, Vectorscope, Histogram, 3D LUT, Zoom, Anamorphic Mode, Zebra, Peaking, False Color, Monochrome, Center Marker, Safety Marker, Edge Enhance, and more.
- **Control Methods:** Intuitive touch screen control and silent physical buttons with shortcut settings.
- **Power Supply:** Dual NP-F battery plate (supports single battery operation) and DC-in power supply. Features a BAT out port for powering cameras.
- **Construction:** Made of aviation aluminum and high-strength engineering plastic, ensuring durability and lightweight design.
- **Firmware:** USB port for firmware upgrades and LUT file uploading.
- **Cooling:** Optimized structure with an efficient and quiet cooling system.

2.2 Package Contents

Upon unpacking, please verify that all items listed below are present:

- 1 x C50 Field Monitor
- 1 x Sunshade Hood

- 1 x Adjustable Bracket
- 1 x Cold Shoe Adapter
- 1 x HDMI Cable
- 1 x 3/8"-1/4" Adapter
- 3 x 3/8"-M6 Adapter



Image: The Fotga C50 monitor displayed with its various accessories, including cables, adapters, and a sunshade hood.

3. SETUP

3.1 Mounting the Monitor

1. Attach the adjustable bracket to the 1/4" screw hole at the bottom of the monitor.
2. Secure the cold shoe adapter to your camera's hot shoe mount or a compatible rig.
3. Connect the adjustable bracket to the cold shoe adapter, ensuring a stable and secure fit.



Image: The Fotga C50 monitor shown with its sunshade hood attached, ready for outdoor use.

3.2 Power Connection

The C50 monitor supports dual NP-F type batteries or DC power input.

- **Battery Installation:** Insert one or two NP-F type batteries into the battery slots on the rear of the monitor. The monitor can operate with a single battery.
- **DC Power:** Connect a compatible DC power adapter (not included) to the DC-in port.
- **Camera Power Output:** The BAT out port can supply power to your camera using a compatible DC coupler battery (sold separately).

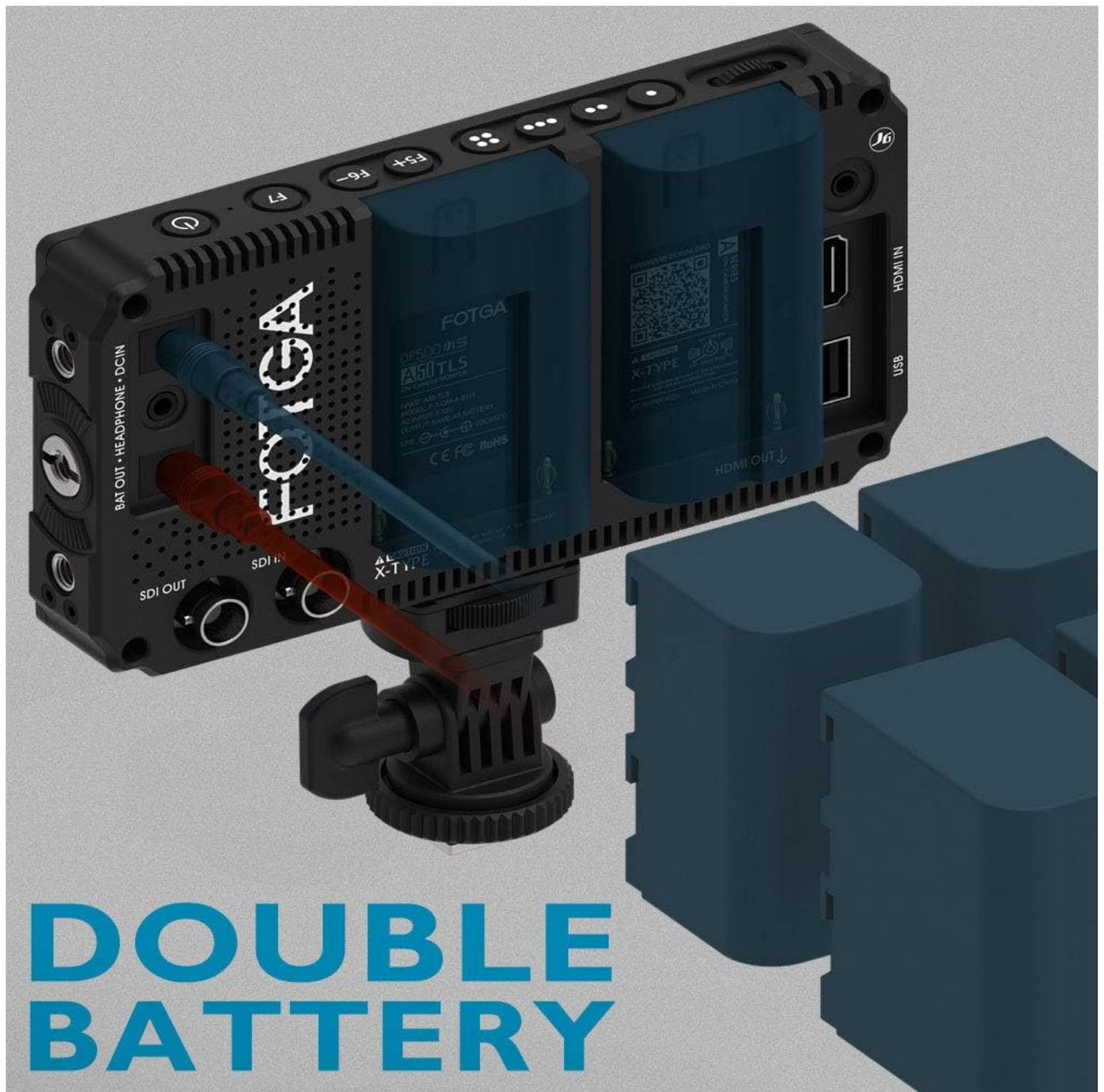


Image: A detailed view of the Fotga C50 monitor's rear, highlighting the dual battery slots and various input/output ports, including DC-in and BAT out.

3.3 Video Input Connection

- **HDMI:** Connect an HDMI cable from your camera or video source to the HDMI IN port on the monitor.
- **SDI:** Connect an SDI cable from your camera or video source to the SDI IN port on the monitor.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the power button located on the top right side of the monitor to turn the device on or off. The monitor features a 3-second instant boot design.

4.2 Control Methods

The C50 monitor offers both touch screen and physical button control for flexible operation.

- **Touch Screen:** Tap, swipe, and pinch gestures can be used to navigate menus, adjust settings, and activate functions.
- **Physical Buttons:** The silent physical buttons on the top panel provide quick access to frequently used functions and menu navigation. These buttons can be customized for shortcuts.

TOUCH SCREEN CONTROL SILENT LIGHT BUTTON



Image: The Fotga C50 monitor displaying its touch screen interface with brightness settings, alongside the physical control buttons on the top edge.

4.3 Menu Navigation

Access the main menu by tapping the screen or pressing the menu button. Use touch gestures or the navigation buttons to browse through options such as input source, display settings, monitoring tools, and system settings. Tap or press to select an option, and use the back button or swipe gesture to return.

5. ADVANCED FEATURES

The Fotga C50 monitor integrates a comprehensive suite of professional monitoring tools to assist in precise video production.

5.1 3D LUT (Look Up Table)

The 3D LUT function allows you to apply custom color profiles to your footage in real-time, aiding in accurate color grading and previewing. LUT files can be uploaded via the USB port.

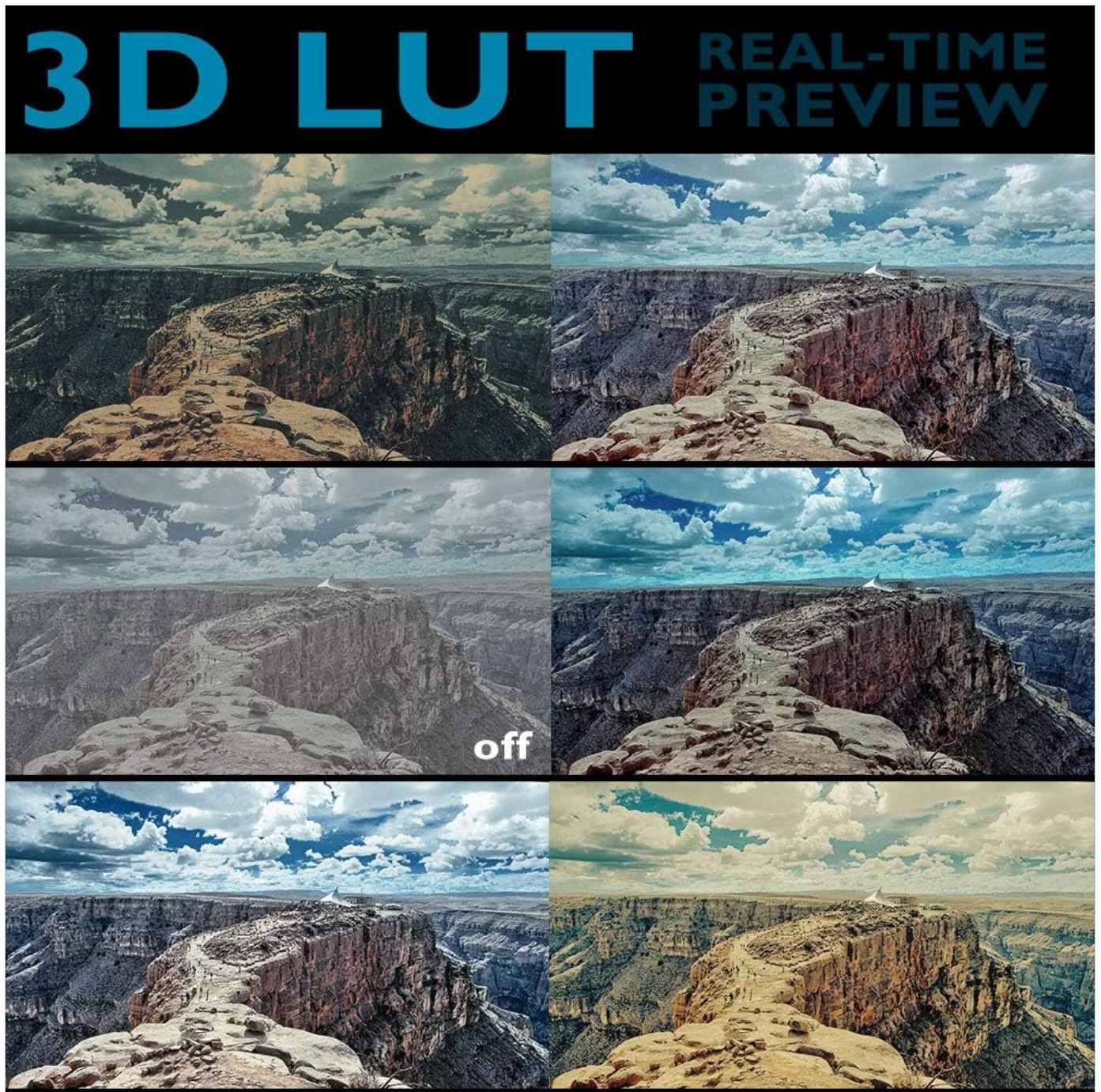


Image: A visual demonstration of the 3D LUT feature on the Fotga C50 monitor, showing various color grading effects applied to a landscape scene in real-time.

5.2 Scopes (Waveform, Vectorscope, Histogram)

These tools provide detailed visual analysis of your video signal, helping you achieve correct exposure, color balance, and contrast.

- **Waveform:** Displays the luminance and chrominance levels of your video signal.
- **Vectorscope:** Shows the color hue and saturation.
- **Histogram:** Illustrates the distribution of tonal values (blacks, mid-tones, whites) in your image.



Image: A series of Fotga C50 monitors showcasing different professional scopes, including waveform, vectorscope, and RGB histogram, for detailed video analysis.

5.3 Other Monitoring Tools

- **Peaking:** Highlights sharp edges to assist with focus.
- **False Color:** Uses color overlays to represent exposure levels.
- **Zebra:** Indicates overexposed areas with a striped pattern.
- **Anamorphic Mode:** De-squeezes anamorphic footage for proper viewing.
- **Markers:** Center marker, safety markers (e.g., 4:3, 16:9), and aspect ratio markers.

6. MAINTENANCE

6.1 Cleaning

- Use a soft, dry cloth to clean the monitor's body.
- For the screen, use a microfiber cloth specifically designed for electronics and a screen cleaning solution if necessary. Do not spray liquid directly onto the screen.
- Avoid using harsh chemicals or abrasive materials.

6.2 Storage

- Store the monitor in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, remove batteries to prevent leakage.
- Use the provided sunshade or a protective case to prevent dust and scratches.

7. TROUBLESHOOTING

7.1 No Power

- Ensure batteries are fully charged and correctly inserted.
- If using DC power, verify the power adapter is connected securely and functioning.

7.2 No Video Signal

- Check that the HDMI or SDI cable is securely connected to both the monitor and the video source.
- Verify the correct input source is selected in the monitor's menu.
- Ensure your camera or video source is outputting a compatible video signal.

7.3 Screen Not Responding to Touch

- Ensure the screen is clean and free from obstructions.

- Restart the monitor.
- If the issue persists, try using the physical buttons for navigation.

7.4 Image Quality Issues

- Check the video cable for damage.
- Adjust display settings (brightness, contrast, saturation) in the monitor's menu.
- Ensure the video source is outputting a high-quality signal.

8. SPECIFICATIONS

Feature	Specification
Model Number	C50 HDMI+SDI
Display Size	5 inches
Brightness	2000 nits
Screen Type	IPS Touch Screen
Video Input	4K HDMI, 3G SDI
Video Output	4K HDMI, 3G SDI
Audio Output	3.5mm Headphone Jack
Power Input	DC-in, Dual NP-F Battery Slots
Power Output	BAT Out (for camera power)
USB Port	For Firmware Upgrade, LUT Upload
Construction Material	Aviation Aluminum, Engineering Plastic
Item Weight	1.78 pounds
Package Dimensions	10.91 x 7.17 x 3.39 inches

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official FocusFoto website or contact your authorized dealer. Keep your purchase receipt as proof of purchase for any warranty claims.

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