

[Manuals.plus](#) /

› [LILLIPUT](#) /

› LILLIPUT 23.8" 12G-SDI BM230-12G Broadcast Director Monitor User Manual

LILLIPUT BM230-12G

LILLIPUT 23.8" 12G-SDI BM230-12G Broadcast Director Monitor User Manual

1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your LILLIPUT 23.8" 12G-SDI BM230-12G Broadcast Director Monitor. The BM230-12G is a high-performance 4K UHD (3840x2160) monitor designed for professional broadcast and video production environments, featuring extensive connectivity options including 12G-SDI and HDMI 2.0.

Please read this manual thoroughly before using the product to ensure safe and efficient operation.

2. SAFETY INFORMATION

- **Power Supply:** Use only the provided 15V DC adapter or a compatible DC 12-24V (XLR) power source. Ensure the power source matches the monitor's requirements.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the monitor to prevent overheating.
- **Moisture:** Keep the monitor away from water, rain, or excessive humidity. Do not operate with wet hands.
- **Cleaning:** Disconnect power before cleaning. Use a soft, dry cloth. Avoid liquid cleaners or aerosols.
- **Placement:** Place the monitor on a stable surface or mount it securely. Avoid placing it in direct sunlight or near heat sources.
- **Servicing:** Do not attempt to service the monitor yourself. Refer all servicing to qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- LILLIPUT BM230-12G Broadcast Director Monitor
- Folding Sun Shade Cover (1 piece)
- Carry-on Suitcase (1 piece)
- 15V DC Adapter (1 piece)

- Adapter Fixing Belt (2 pieces)
- Battery Plate Bracket (1 piece)
- TALLY Connector (in bulk) (1 piece)
- Base Bracket (For table stand without carry-on case) (1 pair)
- User Manual (1 copy)

4. PRODUCT OVERVIEW

4.1. Front Panel

The front panel features the 23.8-inch 4K UHD display and control buttons for menu navigation and function selection. The display supports 4K (3840x2160) Ultra-HD native resolution with a 16:9 aspect ratio, 300cd/m² brightness, 1000:1 contrast, and 178° ultra-high viewing angle.



Image Description: A LILLIPUT BM230-12G monitor showing a quad-view display with various live event footage. The monitor has a black bezel and control buttons along the bottom edge.

4.2. Rear Panel and Connectivity

The rear panel provides all necessary input and output ports for professional integration.



Image Description: A close-up view of the LILLIPUT BM230-12G monitor's rear panel, highlighting the SDI IN/OUT and HDMI IN/OUT ports. Labels for each port are visible.

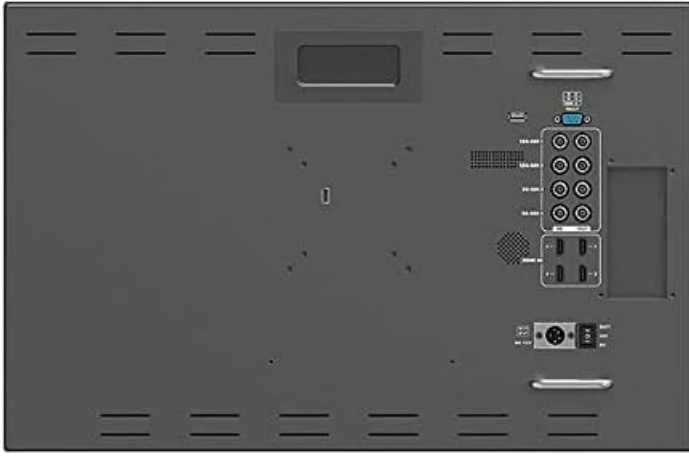


Image Description: A comprehensive view of the LILLIPUT BM230-12G monitor's entire rear panel, showing all input/output connections, including SDI, HDMI, TALLY, DC power, and V-mount battery plate area.

- **12G-SDI Inputs:** 2 ports for single, dual, or quad-link 12G-SDI signals.
- **3G-SDI Inputs:** 2 ports for 3G-SDI signals.
- **HDMI Inputs:** 1 HDMI 2.0 port (4K@60Hz) and 3 HDMI 1.4 ports (4K@30Hz).
- **12G-SDI Outputs:** 2 ports for 12G-SDI signal pass-through.
- **3G-SDI Outputs:** 2 ports for 3G-SDI signal pass-through.
- **TALLY:** 1 TALLY port for status indication.
- **Audio:** 1 Speaker, 1 Ear Phone Slot.
- **Power:** DC 12-24V (XLR) input, V-mount battery plate.

5. SETUP

5.1. Mounting the Monitor

The BM230-12G can be used as a tabletop monitor or mounted. For tabletop use without the carry-on case, attach the provided base bracket. For V-mount battery operation, ensure the V-mount plate is securely attached using the battery plate bracket.

5.2. Power Connection

1. Connect the 15V DC adapter to the DC 12-24V (XLR) input port on the rear panel.
2. Alternatively, attach a compatible V-mount battery to the V-mount plate.
3. Ensure the power switch is in the OFF position before connecting power.

5.3. Video Input Connections

Connect your video source(s) to the appropriate input ports:

- **12G-SDI:** Use BNC cables to connect 12G-SDI sources to the '12G-SDI IN' ports. The monitor supports single, dual, and quad-link configurations.
- **3G-SDI:** Use BNC cables to connect 3G-SDI sources to the '3G-SDI IN' ports.
- **HDMI:** Use HDMI cables to connect HDMI sources to the 'HDMI IN' ports. Note the different refresh rates supported by HDMI 2.0 (4K@60Hz) and HDMI 1.4 (4K@30Hz) ports.

5.4. Video Output Connections

To loop out video signals to other devices:

- Connect BNC cables from the '12G-SDI OUT' or '3G-SDI OUT' ports to your desired destination.
- Connect HDMI cables from the 'HDMI OUT' port to your desired destination.

6. OPERATING INSTRUCTIONS

6.1. Power On/Off

After connecting power, press the power button on the monitor to turn it on. Press it again to turn off the monitor.

6.2. Menu Navigation and Function Buttons

The monitor features several buttons for control:

- **F1/F2 Buttons:** User-definable function buttons for quick access to frequently used features.
- **< / > Buttons:** Volume Down / Volume Up.
- **MODE/Λ Button:** Used to switch between HDMI and SDI signals.
- **MENU Button:** Accesses the main menu for detailed settings.
- **V Button:** Typically used for confirming selections within the menu.

6.3. Input Selection

Use the **MODE/Λ** button to cycle through available video inputs (12G-SDI, 3G-SDI, HDMI). The selected input will be displayed on the screen.

6.4. Picture Settings

Access the main menu using the **MENU** button to adjust picture parameters:

- **Brightness:** Adjusts the overall luminance of the display.
- **Contrast:** Controls the difference between the brightest and darkest areas of the image.
- **Aspect Ratio:** Select between various aspect ratios (e.g., 16:9, 4:3) to match your content.
- **Color Temperature:** Adjusts the white balance of the display.

6.5. Advanced Features

The monitor includes several advanced features to assist with accurate exposure and focus during shooting. These can typically be assigned to the F1/F2 function buttons for quick access:

- **Histogram:** Graphical representation of tonal distribution.
- **Peaking Filter:** Highlights sharp edges to assist with manual focusing.
- **False Colors:** Displays exposure levels using a spectrum of colors.
- **Exposure:** Tools to monitor and adjust exposure.
- **Embedded Audio:** Displays audio levels from the input signal.
- **Nine Grid:** Overlays a 3x3 grid for composition assistance.
- **Zoom-in:** Magnifies a portion of the image for critical focus.
- **DSLR Scale:** Adjusts the display to match DSLR output.
- **Anamorphic Mode:** De-squeezes anamorphic footage.
- **Pixel to Pixel:** Displays the image at its native resolution without scaling.
- **Check Field:** Assists with color calibration.
- **Image Flip:** Flips the image horizontally or vertically.

7. MAINTENANCE

7.1. Cleaning

To clean the monitor screen, gently wipe it with a soft, lint-free cloth. For stubborn marks, slightly dampen the cloth with water. Do not use harsh chemicals, alcohol, or abrasive cleaners.

For the monitor casing, use a soft, dry cloth. Ensure no liquids enter the ventilation slots or ports.

7.2. Storage

When not in use for extended periods, store the monitor in its carry-on suitcase in a cool, dry place, away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

- **No Power:** Ensure the DC adapter is securely connected and the power outlet is functional. If using a V-mount battery, check its charge level.
- **No Signal:** Verify that the video source is active and correctly connected to the appropriate input port. Check the input selection on the monitor using the MODE/Λ button. Ensure cable integrity.
- **Picture Distorted/Incorrect Colors:** Check video cable connections. Reset picture settings to default in the menu. Ensure the input signal format is compatible with the monitor.
- **Audio Issues:** Check headphone connection and volume levels. Ensure the input signal contains embedded audio.
- **Buttons Unresponsive:** Power cycle the monitor. If the issue persists, contact customer support.

9. SPECIFICATIONS

Category	Specification
Display Screen	23.8" 10bit
Physical Resolution	3840×2160 (4K UHD)
Aspect Ratio	16:9
Brightness	300cd/m²
Contrast	1000:1
Viewing Angle	178°/178°(H/V)
12G-SDI Input	2
3G-SDI Input	2
HDMI Input	HDMI 2.0×1 (4K@60Hz), HDMI 1.4×3 (4K@30Hz)
TALLY	1
12G-SDI Output	2
3G-SDI Output	2

Category	Specification
Speaker	1
Ear Phone Slot	1
Input Voltage	DC 12-24V (XLR)
Battery Plate	V-mount
Power Consumption	≤61.5W
Operating Temperature	0°C 60°C
Storage Temperature	-20°C 60°C
Dimension (LWD)	579×376.5×45mm (without case) / 666×417×173mm (with case)
Weight	8.6kg (without case) / 17kg (with case)

10. WARRANTY AND SUPPORT

LILLIPUT products are covered by a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, service, or inquiries, please contact LILLIPUT customer service through their official website or the contact information provided with your product documentation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B07HCPV4S4>

More documents and user manuals: **<https://manuals.plus/>**