

SEETEC ATEM156-US

SEETEC ATEM156 15.6 Inch Live Streaming Broadcast Director Monitor

Model: ATEM156-US

Brand: SEETEC

1. INTRODUCTION

The SEETEC ATEM156 is a professional 15.6-inch IPS LCD monitor designed for live streaming, broadcast, and studio television production. It features multiple HDMI inputs and outputs, allowing for multi-view monitoring and seamless integration with video switchers like the ATEM Mini series. This manual provides detailed instructions for setting up, operating, and maintaining your ATEM156 monitor to ensure optimal performance.

2. KEY FEATURES

- **4 x 4K HDMI Input and Output:** Enables multi-view monitoring, ideal for use with switchers like ATEM Mini. Preview and switch screens during live broadcasts.
- **Sharper and More Detailed Image:** Equipped with a 15.6-inch IPS LCD panel with 1920x1080 resolution, 800:1 contrast ratio, and 250cd/m² LED backlight. Offers a wide 170° viewing angle for accurate video reproduction.
- **Professional Monitoring Functions:** Includes Peaking Focus Assist, False Color, Pixel to Pixel, Anamorphic (x1.33, x1.5, x1.8, x2.0), Display Rotate (0°, 90°, 180°, 270°, H Mirror, V Mirror), Check Field (Red, Green, Blue, Mono), Image Freeze, Center Marker, Zoom, and Safety Marker (80%, 85%, 90%, 93%, 96%, 4:3, 2.39:1, 2.35:1, 1.85:1). Line Color (Red, Green, Blue, White) is also available.
- **Easy Button Operation:** Features a simple control panel with customizable shortcut keys (F1-F4) for quick access to functions.
- **Flexible Power Supply:** Supports 12V DC power input and V-mount battery plate for versatile power options in various environments.

- **Space-Saving Design:** Three mounting points on the U-shaped bracket allow for hanging from rigs or mounting on camera support without taking up excessive space.

3. PACKAGE CONTENTS

Please check that all items are included in your package:

- 1 × ATEM156 Monitor
- 1 × Mini/Micro HDMI to HDMI Cable
- 1 × V-mount Battery Plate
- 1 × 3A Power Adapter
- 1 × U-shaped Bracket
- 1 × Operation Manual (this document)

Note: Battery not included.

Package Include



Mini/ Micro HDMI to HDMI Cable



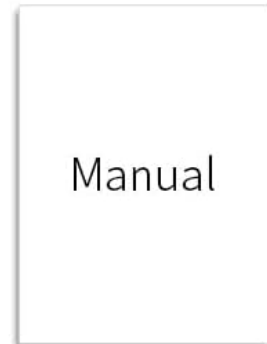
3A Power Adapter



U-shaped Bracket



V-mount Battery Plate



Operation Manual

Note: the package not include the battery

Figure 3.1: Included accessories with the SEETEC ATEM156 monitor.

4. SETUP GUIDE

4.1. Physical Setup and Mounting

The ATEM156 monitor comes with a U-shaped bracket for versatile mounting. You can attach it to various camera supports or rigs using the three mounting points on the bracket. Ensure the monitor is securely fastened before connecting cables.

Easy Button Operation

It has 4 shortcut keys, can customize the shortcut key functions and quickly call them out. You can easily control the equipment when you are busy at the shooting scene.



Flexible Power Supply

The back of ATEM156 is equipped with a 12V DC power input and a V-mount battery plate. Can choose the appropriate power supply method in different environments.



Save Space

There are 3 mounting points located on the U-shaped bracket, you can hang it from rigs or mounted it on the camera support, doesn't take up a lot of space.



Figure 4.1: Rear view of the monitor with V-mount battery plate and power input.

4.2. Powering the Monitor

The monitor offers two primary power options:

- **DC 12V Power Adapter:** Connect the included 3A power adapter to the DC 12V input port on the rear of the monitor. Plug the adapter into a standard power outlet.
- **V-mount Battery:** Attach a compatible V-mount battery to the V-mount battery plate on the rear of the monitor. This provides portable power for on-location use.

4.3. HDMI Connections

The ATEM156 features four HDMI input and four HDMI output ports, allowing for extensive connectivity with cameras, video switchers, and other production equipment.

1. Connect your video sources (e.g., cameras) to the **HDMI IN** ports (1-4) using HDMI cables.
2. Connect the **HDMI OUT** ports (1-4) to your video switcher (e.g., ATEM Mini Pro) or other display devices.

4 X 4K HDMI Input and Output

ATEM156 can realize multi-view monitoring, which can be used with switcher, like ATEM Mini. When use multiple cameras to shoot, you can connect the cameras to monitor to real-time monitoring. During live broadcast, you can preview the screen and switch the required screen to the screen.

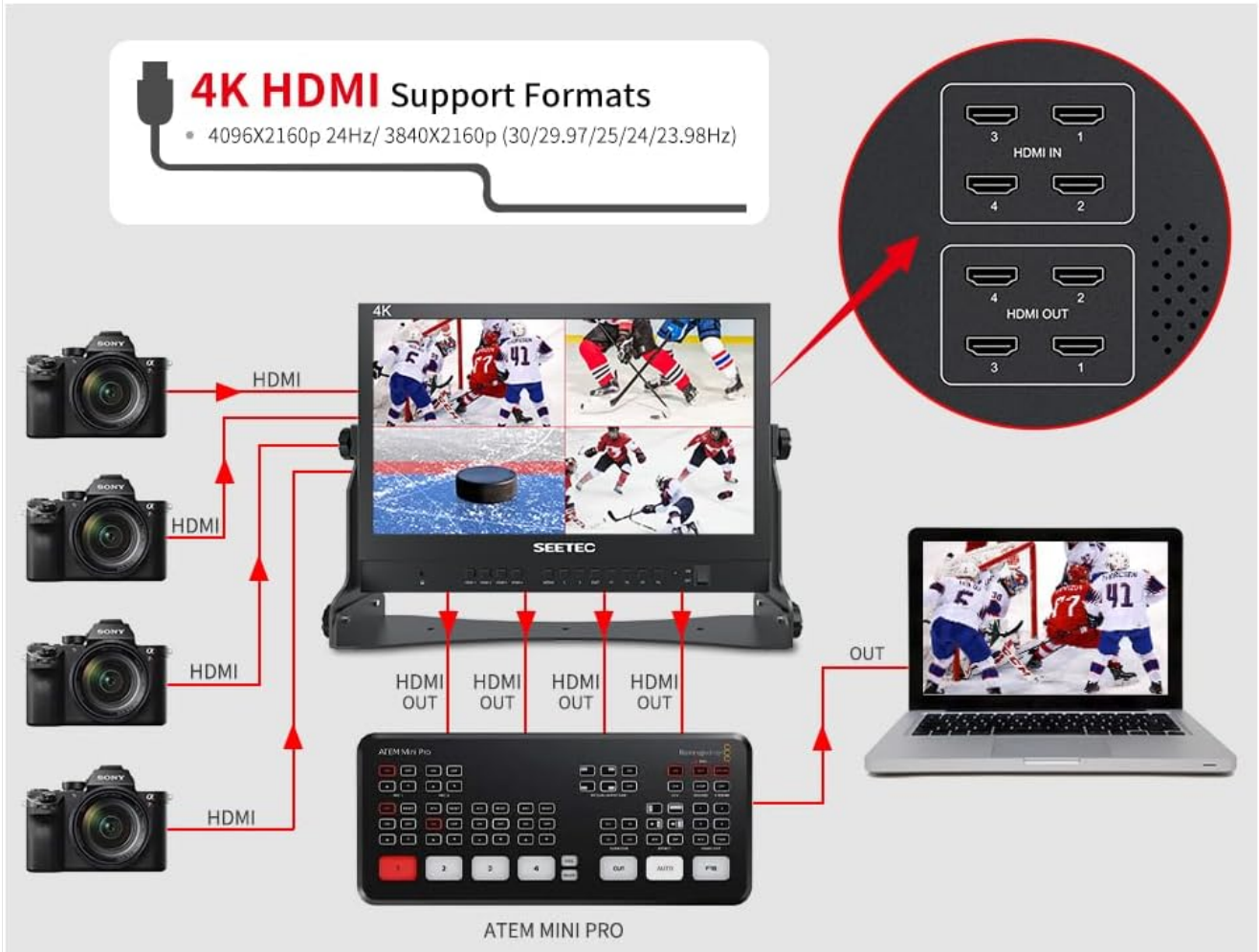


Figure 4.2: HDMI connection diagram for multi-camera setup.

Flexible Application of Multiple Scenarios

It is very suitable for the use of broadcasters, live sports, concerts, lectures and seminars, and other scenarios. It can meet your indoor and outdoor multi-camera monitoring needs.



Broadcast Production



Conferences and Seminars



Internet Broadcasting



Live Sports



Gaming Competitions



Live Concerts

Figure 4.3: Example of a multi-camera setup with the ATEM156 monitor.

5. OPERATING MODES

The ATEM156 monitor supports various display modes to suit your monitoring needs:

- **Quad Split Display:** View up to four HDMI inputs simultaneously on a single screen. This is ideal for multi-camera productions.
- **Single View:** Focus on a single HDMI input in full screen.
- **Dual View (LR, TB, PIP):** Display two inputs side-by-side (Left-Right), top-bottom (Top-Bottom), or Picture-in-Picture (PIP).

Use the control panel buttons (HDMI 1-4, MENU, <, >, EXIT, F1-F4) to navigate and select your desired display mode and functions.



Figure 5.1: Quad Split Display in action.

Advanced Features

Assist you to accurately expose and focus when shooting



Quad View



Center Marker



Quad View



Peaking Filter



False Colors

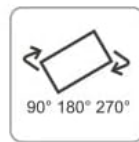


Image Flip



Image Freeze



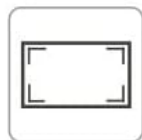
Check Field



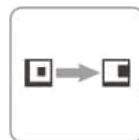
Zoom-in



Center Marker



Screen Marker



Pixel-to-Pixel



Anamorphic
Mode



Color
Temperature

Figure 5.2: Easy Button Operation on the control panel.

6. ADVANCED MONITORING FUNCTIONS

The ATEM156 includes several professional functions to assist with accurate exposure and focus:

- **Peaking Focus Assist:** Highlights in-focus areas with a selectable color (e.g., red, green, blue).
- **False Color:** Displays exposure levels using a spectrum of colors, helping to identify over-exposed or under-exposed areas.
- **Pixel to Pixel:** Displays the image at its native resolution without scaling, allowing for precise focus checking.
- **Anamorphic:** Supports various anamorphic de-squeeze ratios (x1.33, x1.5, x1.8, x2.0) for proper viewing of anamorphic footage.
- **Display Rotate:** Adjust the screen orientation (0°, 90°, 180°, 270°, Horizontal Mirror, Vertical Mirror).
- **Check Field:** Displays only Red, Green, Blue, or Mono channels for color calibration and analysis.
- **Image Freeze:** Pauses the current video frame for detailed analysis.

- **Center Marker & Safety Marker:** Provides on-screen guides for framing and safe areas (e.g., 80%, 85%, 90%, 93%, 96%, 4:3, 2.39:1, 2.35:1, 1.85:1).
- **Zoom:** Magnify a portion of the screen for closer inspection.

Enjoy Sharper and More Detailed Image

The SEETEC ATEM156 has a resolution of 1920 x 1080, uses the professional Rec.709 HD color standard, giving you an accurate reproduction of video and enjoy sharper and more detailed Image.



Figure 6.1: Visual representation of advanced features.

7. SPECIFICATIONS

Feature	Specification
Model Number	ATEM156-US
Screen Size	15.6 Inches
Resolution	1920 x 1080 pixels (FHD 1080p)

Aspect Ratio	16:9
Image Brightness	250 cd/m ²
Contrast Ratio	800:1
Viewing Angle	170° (Horizontal/Vertical)
HDMI Input/Output	4 x HDMI Input, 4 x HDMI Output
HDMI Support Format	480p/576p, 720p (60/59.94/50/30/29.97/25/24/23.98), 1080p (60/59.94/50/30/29.97/25/24/23.98), 3840×2160p (30/25/24), 4096×2160p (24)
Power Input	DC 12V
Power Options	DC 12V Adapter, V-mount Battery (not included)
Item Weight	6.99 pounds
Manufacturer	SEETEC
First Available Date	June 5, 2020

8. TROUBLESHOOTING

8.1. No HDMI Output

If the monitor's HDMI output is not functioning, please check if the input signal contains HDCP (High-bandwidth Digital Content Protection). If the signal is HDCP-encrypted, you may need to use an HDMI splitter designed to strip the HDCP signal before feeding it into the monitor.

8.2. Power Issues

If the monitor is not powering on or experiences intermittent power, ensure the 12V DC power adapter is securely connected and functioning correctly. If using a V-mount battery, verify it is properly attached and sufficiently charged.

9. WARRANTY AND SUPPORT

For detailed warranty information and technical support, please refer to the official SEETEC website or contact their customer service. A comprehensive User Manual (PDF) is also available for download from the product's Amazon page for further reference.

You can find the User Manual PDF here: [SEETEC ATEM156 User Manual \(PDF\)](#)

