Anpviz IV8-GM

Anpviz 5-Inch 4-in-1 CCTV Monitor Tester (Model IV8-GM) Instruction Manual

Brand: Anpviz | Model: IV8-GM

1. INTRODUCTION

The Anpviz 5-Inch 4-in-1 CCTV Monitor Tester (Model IV8-GM) is a portable, multi-functional device designed for testing AHD, TVI, CVI, and CVBS coaxial analog video surveillance systems. It features a 5-inch TFT-LCD screen with 800x480 resolution, making it easy to view camera images during installation and maintenance. This tester supports various resolutions up to 8MP for TVI, AHD, and CVI cameras, and PAL/NTSC for CVBS. It also includes built-in functions such as PTZ control, UTP cable testing, audio surveillance testing, and DC12V power output for cameras. Additionally, it supports VGA/HDMI 1.1 compliant digital input, allowing it to be used for debugging DVR/NVR recorders or as a display. The device is powered by a built-in 18650 2600mA battery, providing up to 11 hours of working time after a 3-4 hour charge.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- Anpviz 5-Inch 4-in-1 CCTV Monitor Tester (Model IV8-GM)
- Adapter DC5V 1.5A (with USB cable)
- Power output conversion cable
- BNC cable
- RS485 connector
- International Standard 18650 2600mA battery (x2)
- Lanyard
- Tool bag
- HD coaxial tester
- Instruction Manual

- Audio cable

What's included

Image: Anpviz 5-Inch 4-in-1 CCTV Monitor Tester with all included accessories laid out, including cables, power adapter, lanyard, and user manual.

Your browser does not support the video tag.

Video: An unboxing video for the Anpviz IV8 CCTV Monitor Tester, showing the contents of the package.

3. PRODUCT FEATURES

- **4-in-1 Video Testing:** Supports AHD, TVI, CVI, and CVBS video formats. Compatible with 2MP, 3MP, 4MP, 5MP, and 8MP HD TVI/AHD/CVI cameras, and PAL/NTSC 960H cameras for CVBS.
- **5-Inch TFT-LCD Screen:** High-resolution 800x480 display for clear viewing of camera feeds.
- **PTZ Controller:** Built-in PTZ (Pan-Tilt-Zoom) control functionality via RS485, compatible with various protocols (e.g., PELCO-D/P) to adjust camera rotation, zoom, focus, and aperture.
- **UTP Cable Test:** Tests UTP cable connection status, cable type, and wire sequence.
- **Audio Surveillance Test:** Allows testing of audio input from pickup devices.
- **DC12V Power Output:** Provides 12V (1A) power output to cameras for convenient testing without an external power source.

- **VGA/HDMI Input:** Supports VGA and HDMI 1.1 compliant digital input, enabling use as a monitor for DVR/NVR debugging.
- **Rechargeable Battery:** Equipped with a 2600mA 18650 battery, offering up to 11 hours of operation after a 3-4 hour charge.
- **Durable Design:** Features a silicone case for protection against drops and impacts.

Image: The Anpviz 5-Inch 4-in-1 CCTV Monitor Tester displaying a live feed from an analog camera, with text indicating support for up to 8MP resolution.

4 in 1 CCTV Tester

Support 8MP TVI/CVI/AHD/CVBS Camera

**Not Support
IP Cameras**

TVI camera test
support 2MP 3MP 4MP 5MP 8MP

CVI camera test
Support 2MP 3MP 4MP 8MP

AHD camera test
support AHD 2.0 version,
2MP 3MP 4MP 5MP 8MP

CVBS
PAL/NTSC, 960H Camera,
800tvl /1000tvl /1 200tvl analog camera

Image: A visual representation of the 4-in-1 CCTV Tester, detailing its compatibility with TVI, CVI, AHD, and CVBS camera types, and clearly indicating that IP cameras are not supported.

4. SETUP AND OPERATION

4.1 Initial Setup and Battery Activation

Before first use, ensure the battery is activated. The tester includes a built-in 18650 2600mA battery. A protective film is placed on the battery terminals during shipping. Please remove this film before attempting to power on the device.

IV8W

IV8W

**Before equipment startup
Please remove plastic tabs**

Image: The back of the Anpviz IV8-GM tester, showing the battery compartment and a label instructing to remove plastic tabs before startup.

To power on the device, press and hold the power button located on the side of the tester. The device will boot up and display the main interface.

Your browser does not support the video tag.

Video: This video demonstrates how to open the Anpviz CCTV tester's battery compartment and remove the protective film to activate the battery for first use.

4.2 Connecting and Testing Analog Cameras

The Anpviz IV8-GM tester supports various analog camera types. Follow these steps to connect and test your camera:

1. Connect the BNC cable from your analog camera to the "Video Input" port on the tester.
2. If the camera requires power, use the DC12V output cable from the tester to power the camera.
3. Power on the tester. The screen should display the camera's video feed.
4. If the image appears black and white or distorted, the signal format may not correspond. Use the "MODE" button to cycle through AHD, TVI, CVI, and CVBS modes until a clear image is displayed.

Your browser does not support the video tag.

Video: This video demonstrates how to connect and test an analog 4-in-1 (TVI-AHD-CVI-CVBS) camera using the Anpviz CCTV Monitor Tester, including switching between video modes.

4.3 PTZ Control

The tester includes a built-in PTZ controller for compatible cameras. Connect the RS485 wires from your PTZ camera to the RS485 terminal on the tester. Use the directional buttons and zoom/focus controls on the tester to manipulate the camera's view.

Image: The Anpviz CCTV Monitor Tester demonstrating its PTZ control capabilities, with the tester's screen showing a camera view and a PTZ camera in the background.

4.4 UTP Cable Testing

To test UTP cables, connect one end of the cable to the RJ45 port on the tester and the other end to the provided UTP cable test terminator. The tester will display the connection status, cable type, and wire sequence.

UTP Cable Test

Test UTP cable connection status and display on the screen

RJ45 CABLE CHECK

Connect LAN cable or telephone cable with the CCTV tester and cable tester

And then the connecting status,cable type and the sequence of wires will be display

Image: The Anpviz CCTV Monitor Tester performing a UTP cable test, illustrating the connection points and the information displayed on the screen.

4.5 VGA/HDMI Input Usage

The tester can function as a display for DVRs or NVRs. Connect an HDMI or VGA cable from your DVR/NVR to the corresponding input port on the tester. Use the VGA/HDMI switch to select the correct input mode.

5. TROUBLESHOOTING

- **No Image on Screen:**

    - Ensure the battery protective film has been removed and the device is charged.
    - Verify the camera is properly connected to the "Video Input" port.
    - If the image appears black and white or distorted, it may be that the signal does not correspond. Switch the tester signal to be the same as the camera signal to solve the problem. Use the "MODE" button to cycle through AHD, TVI, CVI, and CVBS modes.
    - Confirm the camera is receiving power, either from the tester's DC12V output or an external power source.

- **IP Camera Not Supported:**

  - This Anpviz IV8-GM tester is designed exclusively for analog CCTV cameras (AHD/TVI/CVI/CVBS) and does NOT support IP PoE cameras.

- **HDMI/VGA Input Not Recognized:**

  - If HDMI is used as the display input, it can only be connected to an NVR or DVR which has an input signal of HDMI.
  - If HDMI is a signal output, it needs to be connected to a display or TV.
  - Ensure the correct input mode (VGA or HDMI) is selected using the switch on the tester.

- **Battery Not Charging/Device Not Turning On (Battery Power):**

  - Ensure the battery protective film has been removed.
  - If the battery power is insufficient, connect the charger. Fully charge the device before unplugging and using it.

Image: A troubleshooting graphic showing the Anpviz tester and an IP camera with a "not supported" symbol, emphasizing that the

device is for analog cameras only.

6. SPECIFICATIONS

Feature	Detail
Brand	Anpviz
Model Number	IV8-GM
Screen Size	5 Inches
Screen Resolution	800x480
Supported Video Formats	AHD, TVI, CVI, CVBS
Max Analog Resolution	8MP (TVI, AHD, CVI)
Power Source	Battery Powered (1 Lithium Ion battery included)
Battery Capacity	2600mAh (18650 type)
Working Time	Up to 11 hours (after 3-4 hours charging)
Video Inputs	BNC (Video Input), HDMI, VGA
Other Ports	RJ45 (UTP Test), USB, RS485, Audio Input, DC12V Output
Item Weight	1.65 Pounds
Dimensions (L x W x H)	8.7 x 6.89 x 3.58 inches

7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Anpviz website or contact their customer service. Keep your purchase receipt for warranty claims.
Additional protection plans may be available for purchase. Please check with your retailer for details.