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Yoidesu B0DFPQ9DHT

Yoidesu Video Signal Amplifier User Manual

Model: B0DFPQ9DHT

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of the Yoidesu Video Signal Amplifier. This device is designed to extend the transmission distance of high-definition video signals (AHD, CVI, TVI) up to 2624.7 feet (800 meters) without significant loss in quality. It features a durable aluminum alloy casing and a plug-and-play design for ease of use.

2. PRODUCT OVERVIEW

The Yoidesu Video Signal Amplifier is a compact device with various ports and controls. Familiarize yourself with the components before installation.





Figure 2.2: Rear view of the amplifier, highlighting the DC12V power input, V-OUT BNC port, and VIDEO ADJ knob.



Figure 2.3: Side view of the amplifier, showing the DIP switches for signal configuration and the 'in' BNC port.

Components:

- **BNC Ports (In/Out):** Standard connectors for video signal input and output.
- **DC12V Power Input:** Port for connecting the 12V DC power adapter (not included).
- **VIDEO ADJ Knob:** Used for fine-tuning video signal strength or clarity.
- **DIP Switches:** Configuration switches for adjusting signal parameters (refer to Section 4 for details).
- **Aluminum Alloy Casing:** Provides durability and protection for internal components.

3. SPECIFICATIONS

Feature	Description
Material	Aluminium Alloy
Compatible Signal	Analog, AHD, CVI, TVI
Supported Resolution	720P, 960P, 1080P
Input Voltage	DC12V 1A (power supply not included)
Video Interface	BNC
Transmission Distance	0 to 2624.7ft (0 to 800m)
Relative Humidity	0 to 95% (non-condensing)
Operating Temperature	-40°C to 60°C

4. SETUP INSTRUCTIONS

The Yoidesu Video Signal Amplifier is designed for simple plug-and-play operation. Follow these steps for proper setup:

- 1. Prepare Cables:** Ensure you have appropriate BNC cables for your video source and display, and a compatible DC12V 1A power adapter.
- 2. Connect Video Input:** Connect the BNC cable from your video source (e.g., camera, DVR output) to the 'in' BNC port on the amplifier.
- 3. Connect Video Output:** Connect another BNC cable from the 'out' BNC port on the amplifier to your video display or recording device (e.g., monitor, DVR input).
- 4. Connect Power:** Insert the DC12V 1A power adapter into the **DC12V** input port on the amplifier. Plug the adapter into a power outlet.
- 5. Initial Power On:** The amplifier will power on automatically once connected to power.
- 6. DIP Switch Configuration (Optional):** If your setup requires specific signal adjustments, refer to the DIP switch settings. The switches are typically used for impedance matching or signal type selection. Consult your video source/display documentation for optimal settings. By default, the amplifier should work with common AHD/CVI/TVI signals.

Note: A power supply is not included with the amplifier and must be purchased separately.

5. OPERATING INSTRUCTIONS

Once the amplifier is set up, operation is straightforward:

- 1. Verify Connections:** Ensure all BNC cables and the power adapter are securely connected.
- 2. Power On Devices:** Turn on your video source and display device.
- 3. Monitor Video Feed:** Check your display for the video signal. The amplifier should automatically boost the signal for extended transmission.
- 4. Adjust Video Quality (VIDEO ADJ):** If the video quality appears degraded or too strong, gently turn the **VIDEO ADJ** knob (refer to Figure 2.2) to fine-tune the signal. Turn clockwise to increase signal strength/clarity, and counter-clockwise to decrease. Adjust until optimal image quality is achieved on

your display.

The amplifier operates continuously when powered, providing a stable and lossless high-definition image over long distances.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Yoidesu Video Signal Amplifier, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the device. Do not use liquid cleaners or abrasive materials.
- **Environment:** Operate the amplifier within the specified temperature and humidity ranges. Avoid exposing it to extreme temperatures, direct sunlight, or high moisture.
- **Connections:** Periodically check all cable connections to ensure they are secure and free from corrosion.
- **Ventilation:** Ensure the device has adequate ventilation to prevent overheating, although its aluminum casing aids in heat dissipation.

7. TROUBLESHOOTING

If you encounter issues with your video signal amplifier, refer to the following troubleshooting steps:

Problem	Possible Cause	Solution
No video signal on display	<ul style="list-style-type: none"> • No power to amplifier • Loose or incorrect cable connections • Incorrect input/output ports used • Video source or display device is off 	<ul style="list-style-type: none"> • Ensure DC12V power adapter is connected and functional. • Check all BNC cable connections for tightness and correct port usage ('in' to source, 'out' to display). • Verify video source and display are powered on and functioning.
Poor video quality (blurry, distorted, noisy)	<ul style="list-style-type: none"> • Incorrect VIDEO ADJ setting • Damaged BNC cables • Signal interference • DIP switches incorrectly set 	<ul style="list-style-type: none"> • Adjust the VIDEO ADJ knob slowly until image quality improves. • Replace BNC cables if suspected to be faulty. • Ensure cables are routed away from strong electrical interference sources. • Review DIP switch settings according to your signal type and system requirements.
Intermittent signal loss	<ul style="list-style-type: none"> • Loose connections • Faulty power supply • Cable damage 	<ul style="list-style-type: none"> • Check and secure all BNC and power connections. • Test with a different DC12V 1A power adapter if available. • Inspect BNC cables for damage; replace if necessary.

If the problem persists after trying these solutions, please contact customer support.

8. WARRANTY AND SUPPORT

This Yoidesu product is covered by a standard manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided at the time of purchase or contact Yoidesu customer support.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Yoidesu customer service through the retailer where the product was purchased or visit the official Yoidesu website for support contact information.