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ASHATA ASHATAou4sb2g0qx361

ASHATA Mini Analog CCTV Camera Instruction Manual

Model: ASHATAou4sb2g0qx361

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your ASHATA Mini Analog CCTV Camera. Please read this manual thoroughly before using the product to ensure safe and efficient operation. This camera is designed for various surveillance and monitoring applications.



Image 1.1: The ASHATA Mini Analog CCTV Camera with its video and power connection cables.

2. SAFETY INFORMATION

- Ensure the power supply voltage matches the camera's requirements.
- Do not expose the camera to extreme temperatures, humidity, or direct water.
- Avoid dropping or subjecting the camera to strong impacts.
- Do not attempt to disassemble or modify the camera. Refer all servicing to qualified personnel.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x ASHATA Mini Analog CCTV Camera Board
- 1 x Power and Video Cable (integrated)

4. PRODUCT OVERVIEW

The ASHATA Mini Analog CCTV Camera is a compact surveillance solution featuring a 1/3 inch Color for Effio E CCD image sensor, providing 2MP resolution. It is equipped with a 3.6mm lens and offers a minimum illumination of 0.01 Lux, suitable for low-light conditions. The camera outputs a 1Vp-p video signal and includes OSD (On-Screen Display) for auto gain control. Its robust metal construction ensures durability and a long service life.



Image 4.1: Detailed view of the camera's lens and mounting screw holes.

Key Features:

- **Image Sensor:** 1/3 inch Color for Effio E CCD
- **Resolution:** 2 Megapixels
- **Lens:** 3.6mm fixed lens
- **Minimum Illumination:** 0.01 Lux
- **Video Output:** 1Vp-p
- **Gain Control:** OSD Auto Gain
- **Material:** High-quality metal construction

5. SETUP

Follow these steps to set up your Mini Analog CCTV Camera:

5.1 Physical Installation

1. **Choose a Location:** Select a suitable location for the camera, considering the desired viewing angle and proximity to power and video input devices (e.g., DVR, monitor). The camera is suitable for both indoor and outdoor use (IP67 rated).
2. **Mounting:** Secure the camera using appropriate screws through the mounting holes on its bracket. Ensure it is firmly attached to a stable surface.



Image 5.1: The camera's compact design and adjustable mounting bracket.

5.2 Connecting Cables

The camera comes with an integrated cable featuring two connectors:

- **Red Connector:** This is the DC power input. Connect it to a compatible 12V DC power adapter (not included).
- **Yellow Connector:** This is the BNC video output. Connect it to the BNC input of your DVR, monitor, or video capture device.

Mini Camera

The mini analog camera board is made of high quality metal, strong and durable, long service life



Image 5.2: The camera's power (red) and video (yellow) connectors.

3. **Power On:** Once all connections are secure, connect the power adapter to an electrical outlet. The camera will power on automatically.

6. OPERATING

The ASHATA Mini Analog CCTV Camera is a plug-and-play device. Once properly connected to a power source and a compatible video input device (such as a DVR or monitor), it will immediately begin transmitting video.

6.1 Video Monitoring

View the live video feed on your connected DVR or monitor. Ensure your display device is set to the correct input channel.

6.2 OSD Auto Gain

The camera features OSD (On-Screen Display) for automatic gain control. This function automatically adjusts the video signal level to maintain optimal image brightness in varying lighting conditions, ensuring clear visibility without manual intervention.

7. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your camera.

- **Cleaning:** Gently wipe the camera lens and body with a soft, dry cloth. For stubborn dirt, use a slightly damp cloth and then dry thoroughly. Do not use harsh chemicals or abrasive cleaners.
- **Environmental Protection:** While the camera has an IP67 rating for dust and water resistance, avoid prolonged exposure to extreme weather conditions or direct water jets.
- **Cable Inspection:** Periodically check all cables for any signs of wear, damage, or loose connections.

8. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
No video output	<ul style="list-style-type: none">• No power to the camera.• Loose video cable connection.• Incorrect input selected on DVR/monitor.• Damaged cable or camera.	<ul style="list-style-type: none">• Check power adapter and connection.• Ensure BNC cable is securely connected.• Select the correct video input channel.• Inspect cables for damage; if damaged, replace.
Poor image quality (blurry, distorted)	<ul style="list-style-type: none">• Dirty lens.• Improper cable connection.• Interference.	<ul style="list-style-type: none">• Clean the camera lens.• Ensure video cable is securely connected and not damaged.• Relocate camera or cables away from sources of electrical interference.
No image in low light	<ul style="list-style-type: none">• Insufficient ambient light.• Camera not designed for extreme darkness without IR.	<ul style="list-style-type: none">• Ensure minimum illumination requirements are met (0.01 Lux).• Consider adding external IR illuminators if monitoring in complete darkness is required.

9. SPECIFICATIONS

Detailed technical specifications for the ASHATA Mini Analog CCTV Camera:

Feature	Specification
Brand	ASHATA
Model Number	ASHATAou4sb2g0qx361
Image Sensor	1/3 inch Color for Effio E CCD

Feature	Specification
Maximum Webcam Image Resolution	2 MP
Lens	3.6mm / 0.14 inch
Minimum Illumination	0.01 Lx
Video Output	1 Vp-p
Television System	PAL/NTSC (depending on region)
Auto Gain	OSD
Material	Metal
International Protection Rating	IP67
Item Weight	2.82 ounces
Package Dimensions	4.02 x 2.52 x 2.48 inches
Recommended Uses	Surveillance, Face Recognition, Advertising Machines, ATMs, Queuing Machines, Fire Security Monitoring, Video Conferencing, Industrial Equipment
Indoor/Outdoor Usage	Indoor, Outdoor
Mounting Type	Wall Mount

10. WARRANTY AND SUPPORT

ASHATA products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your purchase or contact your retailer. If you require technical assistance or have questions regarding your product, please contact ASHATA customer support through the official website or your purchase platform.