

Q-See QT228-8B5-5

Q-See QT228-8B5-5 8-Channel Security Surveillance DVR System User Manual

Model: QT228-8B5-5

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Q-See QT228-8B5-5 8-Channel Security Surveillance DVR System. This system is designed to provide reliable video surveillance for home and business environments, featuring an 8-channel DVR with a pre-installed 500GB hard drive and 8 weatherproof color cameras with night vision capabilities. Please read this manual thoroughly before beginning installation or operation to ensure proper setup and functionality.

PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact Q-See customer support.

- Q-See 8-Channel CIF/D1 Security DVR with 500GB Hard Drive
- 8 Weatherproof Color Cameras (Gray)
- 8 x 60-foot BNC/Power Cables
- Power Adapters for DVR and Cameras
- USB Mouse
- Remote Control
- Ethernet Cable
- HDMI Cable
- Software CD and Documentation
- Warning Stickers



Figure 1: All components included with the Q-See QT228-8B5-5 surveillance system. This image displays the DVR unit, eight cameras, various cables (BNC/power, Ethernet, HDMI), power adapters, a USB mouse, a remote control, software CD, and warning stickers.

SYSTEM OVERVIEW

The Q-See QT228-8B5-5 system consists of a Digital Video Recorder (DVR) and eight surveillance cameras, designed for comprehensive monitoring.

Digital Video Recorder (DVR)

The DVR is the central unit for recording, storing, and managing video footage. It features an 8-channel input for cameras and a pre-installed 500GB hard drive. The rear panel provides various ports for connectivity.



Figure 2: Rear panel of the Q-See QT228-8B5-5 DVR. This view shows the audio input/output ports, eight BNC video input ports, CVBS output, two USB ports, HDMI output, VGA output, LAN port, and DC12V power input.

Surveillance Cameras

The system includes eight weatherproof color cameras, each offering 480 TV lines of resolution and up to 50 feet of night vision. They are equipped with 1/4" CMOS sensors and 24 infrared LEDs for low-light

performance. The cameras feature a pre-assembled, 3-axis mount for flexible installation.



Figure 3: Close-up view of a Q-See QT228-8B5-5 surveillance camera. The image highlights the lens, infrared LEDs for night vision, and the robust housing designed for outdoor use.

SETUP

Follow these steps for the initial setup of your surveillance system.

1. Physical Installation

- **Camera Placement:** Select locations for your cameras that provide optimal viewing angles and coverage. Consider areas prone to activity and ensure the cameras are within range of the included 60-foot cables or planned extensions. The weatherproof design allows for both indoor and outdoor installation.
- **Mounting Cameras:** Use the integrated 3-axis mount to securely attach cameras to walls, ceilings, or other flat surfaces. Route cables directly through the bracket to protect them from tampering.
- **Cabling:** Run the BNC/power cables from each camera to the location of your DVR. Ensure cables are protected from environmental damage and potential interference.
- **DVR Placement:** Position the DVR in a secure, well-ventilated area, away from direct sunlight and moisture.

2. Connecting Components

1. **Connect Cameras to DVR:** Attach the BNC connector from each camera cable to the corresponding BNC video input port on the DVR's rear panel (labeled 1-8).
2. **Connect Camera Power:** Connect the power connector from each camera cable to the camera power adapter. Use the included power splitter if necessary.
3. **Connect DVR to Monitor:** Use the HDMI cable to connect the DVR's HDMI output to an HDMI input on your monitor or TV. Alternatively, use a VGA cable for VGA-compatible displays.
4. **Connect USB Mouse:** Plug the USB mouse into one of the USB ports on the DVR's rear panel.
5. **Connect to Network (Optional):** For remote viewing, connect the DVR's LAN port to your router or network switch using the Ethernet cable.

6. **Connect DVR Power:** Plug the DVR power adapter into the DC12V input on the DVR and then into a power outlet.

3. Initial Power-Up

Once all connections are secure, plug the power adapters for the cameras and DVR into electrical outlets. The system will power on, and you should see the Q-See logo or live camera feeds on your connected monitor. Follow any on-screen prompts for initial setup, such as setting the date, time, and administrator password.

OPERATING THE SYSTEM

This section covers basic operation of your Q-See DVR system.

1. Basic Navigation

Use the included USB mouse or remote control to navigate the DVR's on-screen menu. Right-click the mouse to access the main menu, and use the scroll wheel or arrow keys to move through options.

2. Live View

Upon startup, the DVR typically displays a live view of all connected cameras. You can switch between single-camera view, multi-camera grids (e.g., 4-camera, 8-camera), and sequence views through the on-screen menu.

3. Recording Modes

The DVR supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected by a camera. Sensitivity and detection zones can be configured in the DVR settings.
- **Scheduled Recording:** Records during specific times of the day or week.

Access the recording settings through the main menu to configure your preferred mode for each camera.

4. Playback

To review recorded footage:

1. Access the 'Playback' option from the main menu.
2. Select the desired date and camera channel(s).
3. Use the timeline to locate specific events. The timeline may display different colors to indicate continuous, motion, or alarm recordings.
4. Use playback controls (play, pause, fast forward, rewind) to review footage.

5. Remote Access

The Q-See QT228-8B5-5 supports remote viewing via high-speed internet on computers, smartphones, and tablets (Apple iPhone, iPad, Android, Windows Phone, Mac, and Windows operating systems). This requires the DVR to be connected to your network and proper network configuration (e.g., port forwarding, DDNS setup). Refer to the detailed network setup guide on the Q-See support website for specific instructions on configuring remote access and downloading the necessary client software or mobile applications.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your surveillance system.

1. Hard Drive Management

The 500GB hard drive will automatically overwrite the oldest footage when full. Regularly back up important footage to an external USB drive if needed. You can configure hard drive settings, such as overwrite options, in the DVR's system settings.

2. Camera Cleaning

Periodically clean the camera lenses and housings to remove dust, dirt, or cobwebs that may obstruct the view. Use a soft, damp cloth for cleaning. Avoid abrasive materials or harsh chemicals.

3. Firmware Updates

Check the official Q-See support website periodically for available firmware updates for your DVR. Firmware updates can improve system performance, add new features, or address security vulnerabilities. Follow the instructions provided with the firmware update carefully.

TROUBLESHOOTING

This section addresses common issues you might encounter with your Q-See surveillance system.

- **No Video Display:**
 - Ensure the monitor is powered on and set to the correct input source (HDMI/VGA).
 - Check all video cable connections between the DVR and the monitor.
 - Verify that the DVR is powered on and its power indicator light is active.
- **No Camera Image:**
 - Check the BNC video connection for the affected camera at both the camera and DVR ends.
 - Verify the camera's power connection and ensure its power adapter is functioning.
 - If using long cable runs, ensure cable integrity.
- **No Recording:**
 - Check the recording schedule and motion detection settings for the affected channels.
 - Ensure the hard drive is properly installed and initialized. Access 'HDD Management' in the DVR settings.
 - Verify that the hard drive is not full (though it should overwrite automatically).
- **Remote Access Not Working:**
 - Confirm the DVR is connected to the internet via the LAN port.
 - Verify network settings (IP address, gateway, DNS) on the DVR.
 - Ensure port forwarding is correctly configured on your router for the necessary ports.
 - Check that the remote viewing software/app is up-to-date and correctly configured with the DVR's details.
- **Poor Image Quality:**
 - Clean the camera lens.
 - Ensure the camera is properly focused (if adjustable).
 - Check cable connections for any damage or loose contacts that could cause interference.

For further assistance, consult the comprehensive troubleshooting guide on the Q-See support website or contact Q-See technical support.

SPECIFICATIONS

Feature	Specification
Model Number	QT228-8B5-5
Number of Channels	8
Video Input	BNC
Video Capture Resolution	480p (CIF/D1)
Frame Rate	15-30 fps
Recording Mode	Motion Detection, Schedule
Memory Storage Capacity	500 GB (Pre-installed Hard Drive)
Connectivity Technology	Wired
Special Features	Motion Sensor, Night Vision
Night Vision Range	Up to 50 feet
Low Light Technology	Night Color
Compatible Devices	Smartphones, Tablets, PC/Mac
Power Source	Corded Electric
Color	Gray
UPC	645439239333

WARRANTY AND SUPPORT

Q-See products are designed for reliability and performance. For information regarding your product's warranty, please refer to the warranty documentation included with your purchase or visit the official Q-See website. The warranty typically covers defects in materials and workmanship under normal use. For technical support, troubleshooting assistance, or to access additional resources such as FAQs, software downloads, and detailed guides, please visit the Q-See support section on their official website. You can also contact Q-See customer service directly through the contact information provided on their website.