

TMEZON MZ-AHD-5508

# TMEZON 16-Channel 5MP Security Video Recorder User Manual

Model: MZ-AHD-5508

## 1. INTRODUCTION AND OVERVIEW

This manual provides detailed instructions for the installation, operation, and maintenance of your TMEZON 16-Channel 5MP Security Video Recorder (DVR/NVR/HVR). This versatile recorder supports various camera types and offers advanced features for comprehensive security monitoring.



Figure 1: TMEZON 16-Channel 5MP Security Video Recorder unit. This image shows the sleek, black rectangular device with "TMEZON Digital Video Recorder" printed on the front panel, along with PWR and HDD indicator lights.

## 2. KEY FEATURES

- **5-in-1 Compatibility:** This highly adaptable recorder supports traditional analog cameras, AHD cameras, TVI cameras, CVI cameras, and IP cameras, providing broad compatibility with various surveillance systems.

- **Advanced Recording Function:** Adopts H.264 new video compression technology, allowing high-resolution video to be recorded at high speed for extended periods. Supports a single internal SATA 3.5-inch HDD up to 6TB for ample storage.
- **Motion Detection:** Equipped with a motion detection function that immediately notifies you by email in case of abnormalities, enhancing security responsiveness.
- **Remote Monitoring:** Features a remote monitoring function, enabling you to view security camera footage anytime, anywhere by connecting to your iPhone, iPad, Android device, or PC.
- **Japanese Operating System & Manual:** Designed with a Japanese operating system and includes a Japanese manual for ease of use in relevant regions.

### 3. PRODUCT COMPONENTS AND CONNECTIONS

Familiarize yourself with the various ports and connections on your TMEZON DVR unit. This section details the physical layout and how to connect your cameras, display, and other peripherals.

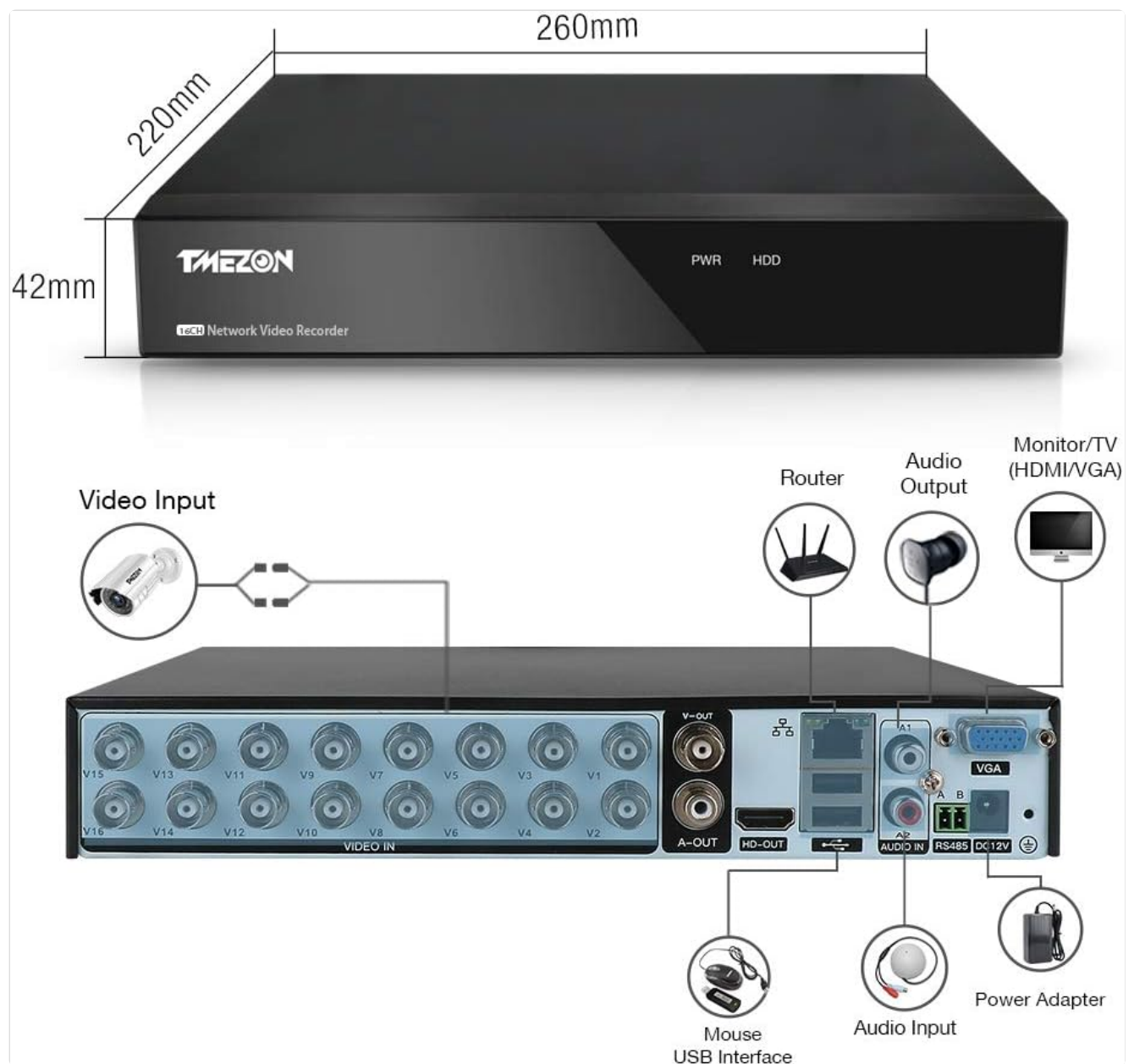


Figure 2: Dimensions and rear panel connection diagram of the TMEZON DVR. This image illustrates the device's dimensions (260mm x 220mm x 42mm) and labels various input/output ports including 16 video inputs (V1-V16), HDMI, VGA, Audio In/Out, USB, LAN, and power input. It also shows connections for a mouse, router, monitor, and power adapter.

### 3.1 Rear Panel Connections

| Port               | Description                                                                 |
|--------------------|-----------------------------------------------------------------------------|
| VIDEO IN (V1-V16)  | Connect your surveillance cameras (Analog, AHD, TVI, CVI, IP).              |
| HDMI OUT           | Connect to an HDMI-compatible monitor or TV for video output.               |
| VGA OUT            | Connect to a VGA-compatible monitor for video output.                       |
| AUDIO IN/OUT       | Connect external microphones for audio input and speakers for audio output. |
| LAN Port           | Connect to your network router for remote access and internet connectivity. |
| USB Interface      | Connect a USB mouse for system navigation or a USB drive for data backup.   |
| DC 12V Power Input | Connect the provided power adapter to power the DVR unit.                   |

## 4. SETUP GUIDE

### 4.1 Initial Setup

- 1. Install HDD (if not pre-installed):** Open the DVR casing, connect the SATA data and power cables to a compatible 3.5-inch SATA HDD (up to 6TB), and secure the HDD within the enclosure.
- 2. Connect Cameras:** Connect your surveillance cameras to the VIDEO IN ports (V1-V16) using BNC connectors.
- 3. Connect Display:** Connect a monitor or TV to the HDMI OUT or VGA OUT port.
- 4. Connect Mouse:** Plug the USB mouse into one of the USB ports.
- 5. Connect Network (Optional but Recommended):** Connect an Ethernet cable from the LAN port on the DVR to your network router.
- 6. Power On:** Connect the DC 12V power adapter to the DVR and then plug it into a power outlet. The DVR will power on automatically.
- 7. Initial Configuration:** Follow the on-screen prompts to complete the initial setup, including setting the date/time, network settings, and administrator password.

## 5. OPERATING INSTRUCTIONS

### 5.1 Live View

After successful setup, the DVR will display the live view from connected cameras on your monitor. Use the mouse to navigate the interface.

### 5.2 Recording Management

The DVR automatically records based on default settings. You can configure recording schedules, manual recording, and motion-triggered recording through the system menu.

### 5.3 Playback

To review recorded footage, access the "Playback" menu. You can search for recordings by date, time, and channel. The H.264 compression ensures efficient storage and playback.

## 6. ADVANCED FUNCTIONS

### 6.1 Motion Detection Setup

The motion detection feature allows the DVR to start recording and send alerts when movement is detected in specified areas. This helps conserve storage space and focuses on relevant events.



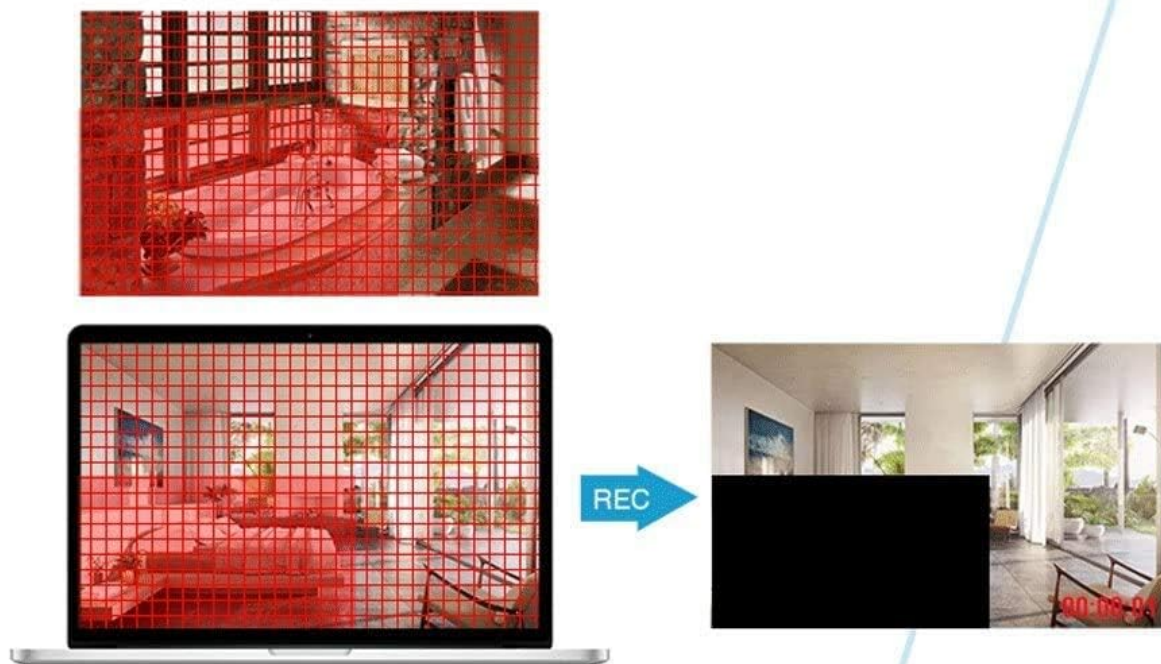
Figure 3: Illustration of the motion detection feature. This image shows a grid overlay on a camera view, indicating customizable detection areas. Icons for custom area, recording, email alert, and mobile notification are displayed, along with a smartphone showing a motion detection alert.

1. Navigate to the "Alarm" or "Motion Detection" settings in the main menu.
2. Select the camera channel you wish to configure.
3. Define the detection area by drawing a grid on the screen. Areas within the grid will trigger detection.
4. Configure alarm actions, such as recording, sending email notifications, or triggering mobile alerts.

### 6.2 Privacy Masking (Area Shield Function)

This feature allows you to mask specific areas within the camera's view that you do not wish to record, ensuring privacy for sensitive locations.

## エリアのシールド機能



各画面でスクリーニングする領域を選択します。  
個人のプライバシーを保護するために記録されていない

選択領域に表示しない

Figure 4: Depiction of the area shield (privacy masking) function. This image shows a camera view with red grids indicating selected areas to be shielded. The text explains that selecting areas on each screen protects individual privacy by not recording those areas.

1. Access the "Privacy Mask" or "Area Shield" settings.
2. Select the camera channel.
3. Draw or select the areas on the screen that you want to mask. These areas will appear black or pixelated in the recording.

### 6.3 Remote Monitoring

The TMEZON DVR supports remote viewing from various devices, allowing you to monitor your property from anywhere with an internet connection.

# クイック遠隔監視



スマホ



タブレット



PC



Figure 5: Quick remote monitoring capabilities. This image shows icons for smartphone, tablet, and PC, indicating that the system can be accessed remotely from these devices. Below, a hand holds a smartphone displaying live camera footage.

1. **Network Configuration:** Ensure your DVR is connected to the internet via the LAN port and has a stable network connection. Configure network settings (DHCP or Static IP) in the DVR's system menu.
2. **Mobile App:** Download the official TMEZON mobile application from your device's app store (available for iPhone/iPad and Android).
3. **PC Client Software:** Install the PC client software (available from TMEZON's official website) on your computer for remote access.
4. **Add Device:** Open the app/software and add your DVR by scanning the QR code (if available) or manually entering the device ID/IP address.
5. **View Footage:** Once connected, you can view live feeds, play back recordings, and manage settings remotely.

## 7. MAINTENANCE

- **Regular Cleaning:** Keep the DVR unit clean and free from dust to ensure proper ventilation. Use a soft, dry

cloth for cleaning.

- **Firmware Updates:** Periodically check the TMEZON official website for firmware updates. Updating firmware can improve performance and add new features.
- **HDD Health Check:** Regularly check the health status of the installed HDD through the DVR's system menu to prevent data loss.
- **Password Security:** Change your administrator password regularly and use a strong, unique password to prevent unauthorized access.

## 8. TROUBLESHOOTING

| Problem                       | Possible Cause                                                                            | Solution                                                                                                                                                |
|-------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| No video output on monitor.   | Loose cable connection, incorrect input source on monitor, DVR not powered on.            | Check HDMI/VGA cable connections. Ensure monitor is set to correct input. Verify DVR power indicator is on.                                             |
| No recording.                 | HDD not installed/formatted, recording schedule not set, motion detection not configured. | Ensure HDD is properly installed and formatted. Check recording schedule settings. Verify motion detection settings if applicable.                      |
| Cannot access remotely.       | Network connection issue, incorrect network settings, firewall blocking.                  | Check network cable. Verify DVR's IP address and gateway. Ensure router's firewall is not blocking ports. Consult your network administrator if needed. |
| Motion detection not working. | Detection area not set, sensitivity too low, alarm actions not configured.                | Review motion detection area settings. Adjust sensitivity. Ensure desired alarm actions (e.g., email, recording) are enabled.                           |

## 9. SPECIFICATIONS

| Feature                   | Detail                                                       |
|---------------------------|--------------------------------------------------------------|
| Model Number              | MZ-AHD-5508                                                  |
| Brand                     | TMEZON                                                       |
| Channels                  | 16 Channels                                                  |
| Video Input Compatibility | Analog, AHD, TVI, CVI, IP Cameras (5-in-1)                   |
| Video Resolution          | Supports 5MP/1080N/1080P                                     |
| Video Compression         | H.264                                                        |
| HDD Support               | 1 x Internal SATA 3.5-inch HDD, up to 6TB (HDD not included) |
| Video Output              | HDMI, VGA                                                    |
| Audio Input/Output        | Yes                                                          |
| Network Interface         | LAN Port (RJ45)                                              |

| Feature              | Detail                                                                     |
|----------------------|----------------------------------------------------------------------------|
| USB Interface        | Yes (for mouse, backup)                                                    |
| Power Supply         | DC 12V                                                                     |
| Dimensions (Approx.) | 32.7 x 29.8 x 7.7 cm (Package Size); Unit dimensions: 260mm x 220mm x 42mm |
| Weight (Approx.)     | 1.35 kg (Package Weight)                                                   |
| Included Functions   | Smartphone compatible, Motion Detection, Remote Monitoring                 |

## 10. WARRANTY AND SUPPORT

TMEZON offers reliable after-sales service for this product:

- **Warranty:** 1-year warranty from the date of purchase.
- **Money-Back Guarantee:** 30-day money-back guarantee.
- **Contact Support:** If you encounter any problems during use, please contact TMEZON customer support for prompt assistance.
- **Bulk Purchase Discount:** If you need to purchase 2 sets or more, please contact TMEZON directly for special discount offers.
- **Email:** [tmezoncctvsystem@yahoo.com](mailto:tmezoncctvsystem@yahoo.com)

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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