

## TOWODE TOWODE-16CH-DVR

# TOWODE 16 Channel Security Recorder DVR User Manual

Model: TOWODE-16CH-DVR | Brand: TOWODE

## INTRODUCTION

This user manual provides comprehensive instructions for the TOWODE 16 Channel Security Recorder DVR. This advanced surveillance system offers superior video quality with 5MP resolution, supporting clear and detailed image capture day and night. It features a 16-channel capacity with 5-in-1 hybrid access mode (AHD/TVI/CVI/CVBS/IP cameras), ensuring flexible camera layout and comprehensive monitoring. The DVR utilizes H.265+ efficient video compression for extended recording times and significant storage savings, and comes with a pre-installed 1TB hard drive. Key functionalities include intelligent human detection, remote access, and 24/7 recording capabilities to ensure continuous property safety.

## WHAT'S IN THE BOX

Please verify that all items are present and in good condition upon opening the package:

- 1x 16CH DVR recorder
- 1x 1TB HDD (Pre-installed)
- Power Adapter
- USB Mouse
- User Manual (this document)



Image: The TOWODE 16 Channel DVR unit shown with its pre-installed 1TB hard drive, power adapter, and USB mouse, which are typically included in the package.

## SETUP GUIDE

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Follow these steps to set up your TOWODE DVR system:

### 1. **Connect Display and Peripherals:**

Plug in the HDMI or VGA video cable from your monitor to the corresponding port on the back of the DVR. Connect the USB mouse to a USB port on the DVR.

# Hybrid 5-IN-1 DVR

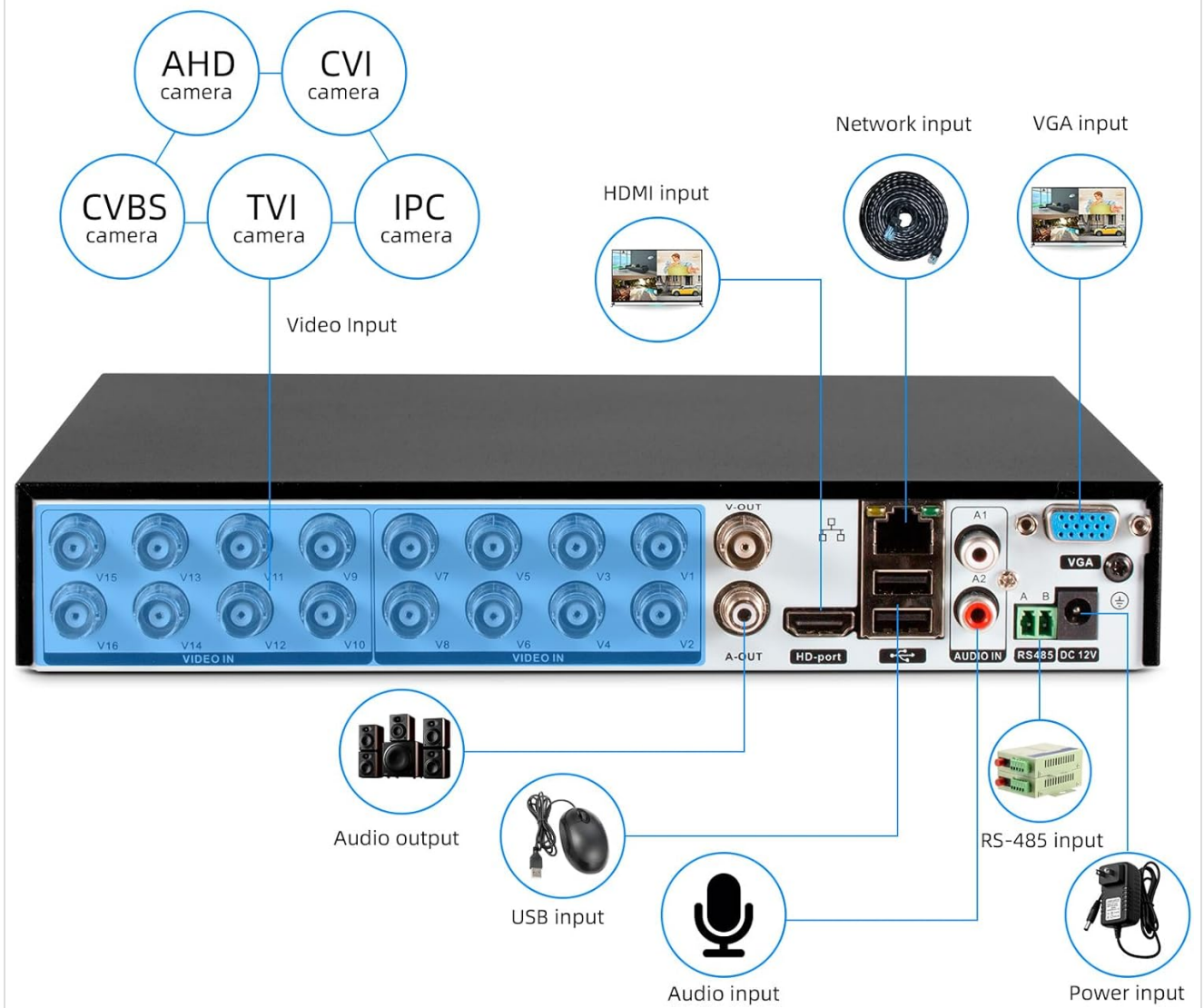


Image: Detailed view of the DVR's rear panel, highlighting the various input and output ports including HDMI, VGA, USB, audio, and video input channels.

## 2. Connect Cameras:

Connect your surveillance cameras to the "VIDEO IN" BNC ports on the DVR. Ensure compatibility with AHD, TVI, CVI, CVBS, or IP cameras (up to 5MP resolution).

## 3. Connect to Network (Optional but Recommended):

For remote access and advanced features, connect an Ethernet cable from your router to the LAN port on the DVR.

## 4. Power On:

Plug the DVR power supply into the DVR's DC 12V input and then into a power outlet. The system will boot up and display on your connected monitor.

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Video: This video demonstrates the physical connection process for the TOWODE DVR, including plugging in the HDMI cable, USB mouse, video input cables for cameras, and the DVR power supply. It also shows the initial boot-up sequence and the display of the H.265+ logo.

## OPERATING INSTRUCTIONS

Once your DVR is set up, you can begin operating it. The system is designed for user-friendly navigation via the

connected mouse and monitor, or remotely via mobile applications.

### Live View and Recording

The DVR supports 24/7 continuous recording across all 16 channels. The live view displays all connected cameras simultaneously on the monitor.



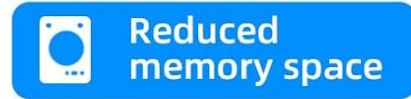
Image: A monitor showing a grid of 16 live camera feeds, demonstrating the DVR's 24/7 non-stop recording capability and multi-channel display.

### Video Compression (H.265+)

The DVR utilizes advanced H.265+ video compression technology. This significantly reduces storage space requirements (up to 80% compared to H.264) while maintaining high image quality and providing a smoother viewing experience.



# Advanced H.265+ Video Compression



**H.265+**

**H.264**

Fluency

100%

Fluency

100%

Storage Space

100%

Storage Space

100%

Image: A visual comparison illustrating the benefits of H.265+ video compression over H.264, highlighting smoother viewing and reduced memory space.

## Intelligent Alarm System (Human Detection)

The system includes a mobile detection function that can automatically trigger an alarm and send push notifications via email or mobile phone upon detecting abnormal activity, such as human presence. This allows for real-time awareness of security situations.

# AI Motion Face Dection



**XMEye**  
Motion Detection Alarm

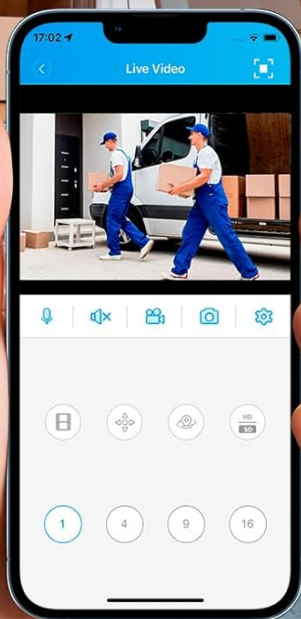


Image: A smartphone screen showing a live video feed with human figures highlighted by the AI motion face detection feature, indicating an active alarm system.

## Smart Playback

The advanced smart playback feature allows you to easily review recorded footage. You can quickly locate specific events on a timeline, saving time when searching for incidents.



# Advanced Smart Playback

Never miss any wonderful moment!



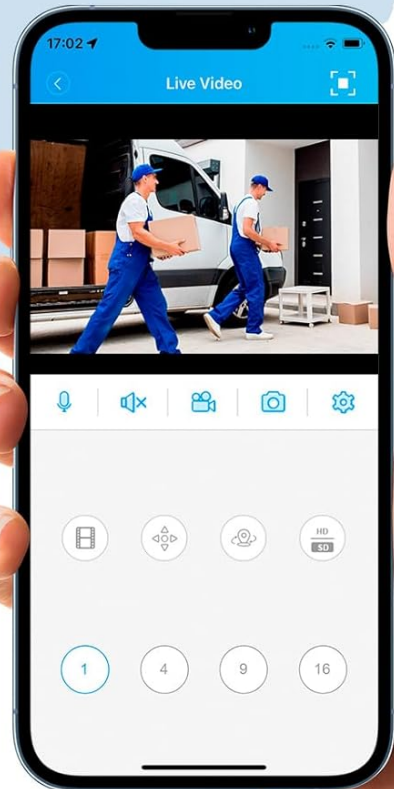
Image: A visual representation of the smart playback feature, showing a timeline with markers for recorded events, enabling users to quickly navigate and review footage.

## Remote Access

Access your surveillance system anytime, anywhere using the remote access function. View real-time footage and playback videos from your mobile phone, computer, or other devices with a network connection. Download the XMEye or ICSEE app for mobile viewing, or VMS for PC.

# Free & Easy remote access

Monitor Your Property Anytime, Anywhere



APP:  
XMEye and Icsee



PC:  
Download VMS

Image: An illustration showing multiple devices, including smartphones, laptops, and desktop computers, connected to the DVR system for free and easy remote access from anywhere in the world.

Your browser does not support the video tag.

Video: This video demonstrates the DVR's menu navigation, including record, alarm, and system settings. It also shows how to connect the DVR to a wired network and use the XMEye or ICSEE mobile app to scan a QR code for remote viewing, showcasing live video access from a smartphone.

## MAINTENANCE

To ensure optimal performance and longevity of your TOWODE DVR, consider the following maintenance practices:

- **Storage Management:** The DVR comes with a pre-installed 1TB HDD. Regularly check the storage status to ensure sufficient space for continuous recording. The H.265+ compression helps maximize storage efficiency.
- **Firmware Updates:** Periodically check the manufacturer's website for any available firmware updates. Updates can improve system stability, add new features, or address security vulnerabilities.
- **Physical Cleaning:** Keep the DVR unit clean and free from dust. Ensure proper ventilation to prevent overheating, which can affect performance and lifespan.



- **Data Backup:** For critical footage, regularly back up important recordings to an external storage device or cloud service.

## TROUBLESHOOTING

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If you encounter issues with your DVR, refer to the following common troubleshooting tips:

- **No Video Output:**
  - Check all video cable connections (HDMI/VGA) between the DVR and the monitor.
  - Ensure the monitor is powered on and set to the correct input source.
  - Verify the DVR is powered on and its indicator lights are active.
- **No Camera Display:**
  - Ensure cameras are properly connected to the DVR's video input ports.
  - Verify camera power supplies are connected and functional.
  - Check camera compatibility: The DVR supports 16\*5MP@20fps (frame rate not exceeding 20, resolution not exceeding 5MP), 16\*4MP@15fps (frame rate not exceeding 15, resolution not exceeding 4MP), and 16\*1080P@15fps (XVI) cameras.
- **Remote Access Issues:**
  - Ensure the DVR is connected to the internet via an Ethernet cable.
  - Verify your mobile device has a stable internet connection.
  - Confirm the correct app (XMEye or ICSEE) is installed and the device is added correctly using the QR code or device ID.
  - Check firewall settings on your network if you are unable to connect.
- **Recording Problems:**
  - Check the HDD status in the DVR's system settings to ensure it is recognized and has sufficient free space.
  - Verify recording schedules are correctly configured.

## SPECIFICATIONS

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Feature	Detail
Model Number	TOWODE-16CH-DVR
Channels	16 Channel
Video Resolution Support	Up to 5MP
Hybrid Compatibility	5-in-1 (AHD/TVI/CVI/CVBS/IP Cameras)
Video Compression	H.265+
Pre-installed Hard Drive	1TB HDD
Max External HDD Support	Up to 14TB
Connectivity Technology	Ethernet, HDMI






Feature	Detail
Item Weight	4.07 pounds
Package Dimensions	13.86 x 11.02 x 3.23 inches

## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please contact TOWODE customer service directly. You can often find support resources and contact details on the official TOWODE store page or their dedicated support website.

Visit the official TOWODE Store: [TOWODE Store on Amazon](#)

### Related Documents - TOWODE-16CH-DVR

	<p><a href="#">TOWODE Fingerprint Padlock: Setup, Usage, and Warranty Guide</a></p> <p>Comprehensive guide for the TOWODE fingerprint padlock, covering fingerprint setup, deletion, charging, low power alerts, warranty information, and customer support.</p>
	<p><a href="#">TOWODE Water Detector User Manual: Operation and Battery Replacement Guide</a></p> <p>Comprehensive user manual for the TOWODE Water Detector, detailing product features, specifications, battery replacement steps, and warranty information. Learn how to effectively use and maintain your leak detection device.</p>
	<p><a href="#">ANNKE DW81KD 8-Channel 3K Lite H.265+ Security DVR Specifications</a></p> <p>Comprehensive specifications for the ANNKE DW81KD 8-channel 3K Lite H.265+ security DVR, detailing video compression, input/output capabilities, camera support, playback resolutions, network connectivity, power, dimensions, and included packaging contents.</p>
	<p><a href="#">HiLook DVR-216U-M1/T: 5MP 16-Channel Hybrid Video Recorder Datasheet</a></p> <p>Detailed specifications for the HiLook DVR-216U-M1/T, a 1U rack-mountable hybrid video recorder supporting 5MP resolution, 16 channels, H.265 Pro+ compression, deep learning motion detection, and extensive connectivity.</p>
	<p><a href="#">ANNKE Digital Video Recorder User Manual</a></p> <p>Comprehensive user manual for ANNKE Digital Video Recorder (DVR) systems, covering installation, setup, operation, and troubleshooting. Learn how to connect cameras, configure settings, and ensure optimal security for your surveillance needs.</p>

