

## Artist Unknown XVR5104H

# Penta-Brid XVR5104H Digital Video Recorder User Manual

Model: XVR5104H | Brand: Artist Unknown

## 1. INTRODUCTION AND OVERVIEW

The Penta-Brid XVR5104H is a versatile 4 + 2 channel digital video recorder designed for comprehensive surveillance systems. This 5-in-1 XVR (eXtreme Video Recorder) supports a wide range of video input technologies, including HDCVI, AHD, TVI, CVBS (analog), and IP cameras, providing flexibility for various security setups. It offers 1080P real-time preview and efficient H.264+/H.264 dual-stream video compression for optimal storage and bandwidth utilization. This manual provides essential information for the proper installation, operation, and maintenance of your XVR5104H unit.



Figure 1: Front view of the XVR5104H unit.

This image displays the sleek, black rectangular casing of the XVR5104H, highlighting its compact design suitable for various installation environments. A single USB port is visible on the front panel, providing convenient access for peripheral devices.

## 2. PRODUCT FEATURES

- **Versatile Video Input:** Supports 5-in-1 technology including HDCVI, AHD, HDTVI, Analog (CVBS), and IP video inputs.
- **High-Resolution Recording:** Offers 1080P real-time preview and recording capabilities.
- **Efficient Compression:** Utilizes H.264+/H.264 dual-stream video compression for optimized storage and network performance.
- **Expanded IP Camera Support:** Accommodates up to 4 + 2 channels of IP camera inputs, with each channel supporting resolutions up to 5MP.
- **Intelligent Video System (IVS):** Features Smart Search and advanced Intelligent Video System functionalities for enhanced monitoring and event detection.
- **Multiple Output Interfaces:** Equipped with HDMI and VGA interfaces for video output.
- **USB Connectivity:** Includes two USB ports for connecting peripherals like a mouse or external storage.

### 3. SETUP AND INSTALLATION

#### 3.1 Package Contents

Upon unboxing, please verify that all standard accessories are present. The typical package includes:

- XVR5104H Digital Video Recorder Unit
- Power Adapter
- USB Mouse
- SATA Data and Power Cables (for HDD installation)
- Quick Start Guide (if applicable)

#### 3.2 Hardware Connections

Before powering on the device, ensure all necessary connections are made. Refer to the rear panel diagram below for port identification.

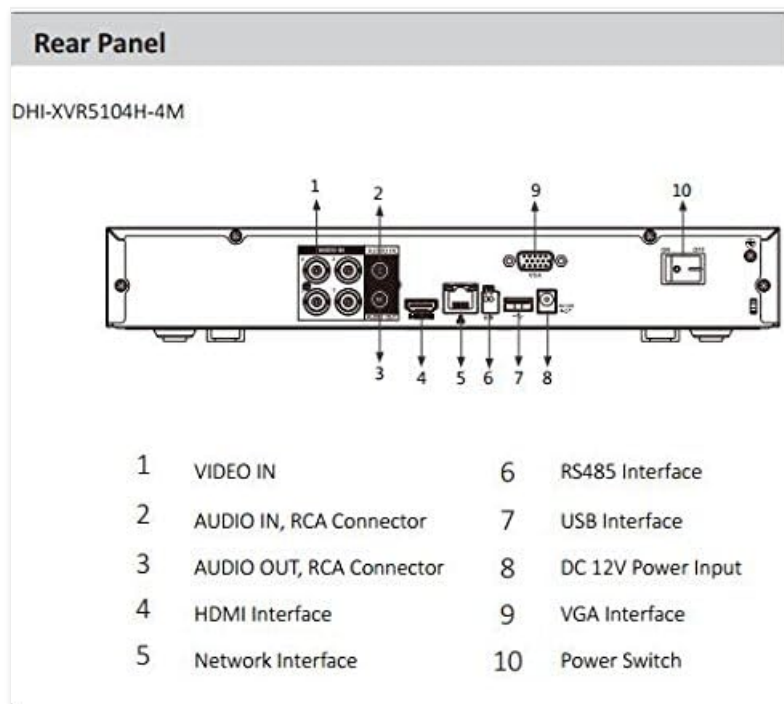


Figure 2: XVR5104H Rear Panel Layout.

This diagram illustrates the various input and output ports on the rear of the XVR5104H. Key connections include BNC ports for video input, RCA connectors for audio, HDMI and VGA for display output, an Ethernet port for network connectivity, USB ports for peripherals, and the DC 12V power input.

**1. Hard Disk Drive (HDD) Installation:** (Note: HDD is not included.)

- Unscrew and remove the top cover of the XVR unit.
- Connect the SATA data and power cables from the XVR motherboard to the HDD.
- Secure the HDD to the bottom of the XVR chassis using the provided screws.
- Replace the top cover and secure it with screws.

**2. Video Input:** Connect your HDCVI, AHD, TVI, or CVBS cameras to the BNC "VIDEO IN" ports (1).

**3. Audio Input/Output:** Connect audio sources to "AUDIO IN" (2) and audio output devices to "AUDIO OUT" (3) via RCA connectors.

**4. Display Connection:** Connect a monitor to the "HDMI Interface" (4) or "VGA Interface" (9) using appropriate cables.

**5. Network Connection:** Connect an Ethernet cable from the "Network Interface" (5) to your router or network switch.

6. **USB Peripherals:** Connect the included USB mouse to one of the "USB Interface" ports (7). Additional USB devices can be connected as needed.
7. **Power Connection:** Connect the supplied power adapter to the "DC 12V Power Input" (8) and then plug it into a power outlet.
8. **Power On:** Flip the "Power Switch" (10) to the ON position. The XVR will begin to boot up.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Initial Setup Wizard

Upon the first boot, the XVR will guide you through an initial setup wizard. This typically includes setting up a password, configuring network settings (DHCP is recommended for ease of use), and initializing the HDD.

### 4.2 Live View and Recording

Once configured, the XVR will display the live view from connected cameras. You can navigate through channels using the mouse. Recording can be configured for continuous, motion detection, or scheduled modes via the system menu.

### 4.3 Playback and Backup

Access recorded footage through the playback menu. You can search by time, event, or channel. Footage can be backed up to a USB flash drive connected to the USB port.

### 4.4 Remote Access and Software

The XVR5104H supports remote viewing and management through dedicated software applications. These applications allow you to monitor your surveillance system from a PC or mobile device.



Figure 3: Smart PSS V2.00.1 Software Interface.

This image displays the user interface of Smart PSS, a professional surveillance system software. It provides a centralized platform for managing multiple devices, viewing live feeds, playing back recordings, and configuring system settings from a computer.

- **Smart PSS (PC Software):** For Windows and macOS, Smart PSS provides comprehensive management of your XVR, including live view, playback, device configuration, and alarm management.
- **gDMSS Lite / iDMSS Lite (Mobile App):** Available for Android (gDMSS Lite) and iOS (iDMSS Lite) devices, these apps enable remote live view, playback, and push notifications directly on your smartphone or tablet.



Figure 4: Mobile App QR Codes and Interface.

This image shows QR codes for easy download of the gDMSS Lite (Android) and iDMSS Lite (iOS) mobile applications. Alongside the QR codes, various mobile devices display the app's interface, demonstrating its capability for remote live viewing of surveillance feeds.

## 5. MAINTENANCE

- **Cleaning:** Regularly clean the exterior of the XVR unit with a soft, dry cloth. Do not use liquid cleaners or aerosols. Ensure ventilation openings are free from dust and obstructions.
- **Firmware Updates:** Periodically check the manufacturer's website for firmware updates. Keeping the firmware updated ensures optimal performance, security, and access to new features. Follow the provided instructions carefully during updates.
- **HDD Health:** Monitor the health of the installed HDD through the XVR's system menu. Replace the HDD if any errors or warnings are detected to prevent data loss.
- **Power Cycle:** If the device becomes unresponsive, perform a power cycle by turning off the power switch, unplugging the power adapter, waiting for 30 seconds, and then reconnecting and powering on the unit.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video output on monitor.	Loose HDMI/VGA cable; Incorrect monitor input selected; XVR not powered on.	Check HDMI/VGA cable connections; Ensure monitor is set to the correct input source; Verify XVR power status.
No camera image.	Camera not powered; Loose video cable; Incorrect video format.	Ensure cameras are powered; Check BNC cable connections; Verify camera video format matches XVR settings.
Cannot access XVR remotely.	Network cable disconnected; Incorrect network settings; Firewall blocking ports.	Check Ethernet cable connection; Verify XVR IP address, gateway, and DNS settings; Ensure necessary ports are forwarded on your router.
Recording not working.	HDD not installed or initialized; Recording schedule not set; HDD full.	Install and initialize HDD; Configure recording schedule; Format or replace HDD if full.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Artist Unknown (OEM Dahua)
Model Number	XVR5104H

Feature	Detail
Connectivity Technology	HDMI, USB, Ethernet
Video Capture Resolution	1080p
Special Feature	AI-powered object detection and tracking, Intelligent Video System
Number of Channels	4 + 2 IP (Total 6 channels)
Max IP Camera Resolution	5MP per channel
Memory Storage Capacity	Supports up to 8 TB HDD (HDD not included)
Power Source	Corded Electric (DC 12V)
Compatible Devices	HDCVI, AHD, TVI, CVBS, IP Cameras
Frame Rate	30fps@720P, 15fps@1080P
Recording Mode	Continuous, Motion Detection, Event
Total USB Ports	2
Hardware Interface	USB, HDMI, VGA, Ethernet, BNC, RCA, RS485
Package Dimensions	13 x 12.5 x 3.5 inches
Item Weight	1 pounds
UPC	860107001443
Date First Available	May 1, 2018

## 8. WARRANTY AND SUPPORT

This product is an OEM model, and specific warranty terms may vary. Please refer to your point of purchase or the seller for detailed warranty information. For technical assistance, "HDCamClub Life Time Technical Support" is available to assist with setup, configuration, and troubleshooting.

For further support, please contact your vendor or refer to the official Dahua documentation for the equivalent model (XVR501H-4) if available, as this product is noted as a Dahua OEM Model XVR501H-4.

