# Hard disk video recorder

## TV-8N128W

## Description

This product is a 128-channel intelligent digital video recorder (DVR) that supports 128-channel 4K camera input and output. It offers intelligent analysis features, including human shape detection, boundary crossing detection, vehicle wrong-channel detection, personnel off-duty detection, personnel loitering, area intrusion, and illegal parking analysis. The device supports audio output, online upgrades, and USB drive upgrades for IPCs. It is equipped with support for up to 9 x 16TB hard drives, 4 HDMI ports, and 3 USB ports. Additionally, it supports mobile monitoring.

## Features

*Support access to 128-channel cameras;
*Mode 1: 1 HDMI output ( 12 MP/D1+128 preview+16-channel playback);
*Mode 2: 2 HDMI outputs ( 12 MP/D1 + 2 screens 64+64 preview + 16-channel playback);
*Mode 3 : 4 HDMI outputs ( 8 MP/D1 + 4 screens 36+36+36+36 preview + 16-channel playback);
*Support H.265 , H.264 , H.265 + three-stream decoding ;
*Support single-screen 8K display output ;
*Support dual-screen HDMI heterogeneous display output (1*8K+1*4K) ;
*Support four-screen HDMI heterogeneous display output (3*4K+1*1080P) ;
*Support synchronous recording, remote monitoring, and backup recording in MP4 format, which can also be viewed on mobile phones;
*Support electronic zooming of preview and playback images;
*Support standard RTSP, GB28181, ONVIF protocols;
*Support RTMP streaming;
*Support alarm capture and alarm email sending functions;
*Support DDNS, UPNP, NTP, P2P and other functions;
*Support WEB, mobile phone monitoring, and client IMS monitoring;
*Support SMART IPC behavior analysis: human detection, boundary crossing detection, vehicle reversal, personnel leaving their posts, personnel staying, area intrusion, and vehicle illegal parking ;
*Support channel patrol grouping and customized screen splicing display ;
*Support network detection (network traffic monitoring, network packet capture, network diagnosis) functions;
*Support 4-channel 4K video synchronous playback and up to 16-channel synchronous playback;
*Support manual and automatic addition of IPC in LAN;
*Support online upgrade and USB flash drive upgrade IPC;
*Support maintenance of private protocol IPC, including IPC default restoration, restart, and opening and closing full network access functions;
*Support the function of re-recording when the network is disconnected;
*Support selection of video stream mode;
*Support RAID storage;
*Support IPSAN and NAS storage.

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## Specification

| Function | |
|---|---|
| **Channel connection protocol** | RTSP, SLINK (private protocol), ONVIF, I9 |
| **Mobile phone monitoring** | Support Apple and Android mobile phone monitoring |
| **Display mode** | Mode 1: 1 HDMI output (12MP/D1+128 preview+16-channel playback); Mode 2: 2 HDMI outputs (12MP/D1+2 screens 64 preview+16-channel playback); Mode 3: 4 HDMI outputs (8MP/D1+4 screens 36+36+36+36 preview+ 16-channel playback) |
| **Network video input bandwidth** | 800Mbps |
| **Video compression** | H.265+/H.265 /H.264 |
| **Video resolution** | 12M/4K/1080P/720P/D1 |
| **Audio compression** | G.711A/G.711U |
| **Recording and playback** | |
| **Video recording method** | Manual/timing/alarm recording |
| **Playback capability** | Supports 16-channel simultaneous playback, and the decoding capability is the same as the preview decoding capability in the current mode. |
| **Playback mode** | Regular playback, event playback |
| **Storage and backup** | |
| **Storage interface** | 9 SATA |
| **Hard disk capacity** | Maximum capacity of a single hard disk is 16T |
| **Video storage path** | Local hard disk, network disk (IPSAN, NAS) |
| **Backup method** | USB mobile hard disk, U disk, network backup |
| **External interface** | |
| **HDMI interface** | 4 |
| **Voice intercom input** | 1 RCA port |
| **Audio output** | 1 RCA port |
| **Network interface** | 2, RJ45 1000M Ethernet ports |
| **ESATA interface** | 1 eSATA expansion interface |
| **Serial interface** | 1, standard RS-485 serial interface |
| **USB interface** | 3 USB2.0 |
| **Alarm input** | 16-channel |
| **Alarm output** | 8-channel |
| **General specifications** | |
| **Power supply** | AC100-240V 250W |
| **Operating temperature/humidity** | -10°C ~ 55°C/10%-90% |
| **Dimensions (L×W×H)** | 487mm×425mm×90mm |