



16CH STANDALONE NETWORK VIDEO RECORDER

Plug and Play : Easy Camera Configuration
HDMI output • 4xUSB • 8x3.5" HDD Slot • 120fps@1080p 80Mbps

KEY FEATURES

- High Quality of Local Display
- One-Click Camera Setup
- POS Support / CMS
- Multi-Platform Mobile Clients
- Web-Based Live Viewer
- H.264, MPEG4, M-JPEG, MxPEG
- Intelligent Search
- RAID 0,1
- PTZ Control
- 128CH Remote Live View
- Dual Stream
- Linux-embedded

SPECIFICATIONS

IPPOWER NVS-1016	
Maximum Number of Licenses	16
Video Output	HDMI or VGA
Output Resolution	1920x1080, 1280x1024, 1280x720, 1024x768
Decoding Capacity	120fps @1080p or 240fps @720p (H.264/MPEG4; MJPEG/MxPEG is with limited support)
Recording Performance	80 Mbps
Operating System	Embedded Linux
Compression	H.264, MPEG-4, MJPEG, MxPEG (depends on IP camera)
Remote Client	Remote Live Viewer (Software), Remote Live Viewer (Web), iViewer (Mobile App)
Remote Client OS	Windows XP (32-bit), Win7 (32 and 64-bit)
Mobile Client Platform	iPhone, iPad, Android
HDD Bays	8 x 3.5"
RAID Level	Single
External Storage	DAS
Ethernet Port	2 x Gigabit Port, RJ-45
External Ports	4 x USB 2.0
Audio	One - way
Voltage	AC 100V-240V, 3.5A~1.5A, 60-50Hz
Power Consumption	Full Loading: 80W; Max: 250W
Dimensions (H x W x D)	88.5 x 438 x 442 mm
Weight (without HDD)	9 kg (19.84lbs)
Temperature (Operating with HDD)	Operating: 0 ° C ~ 40 ° C (32 ° F ~ 104 ° F)
Humidity (Operating)	Operating: 5% ~ 95%
Supported Languages	English, Croatian, Czech, Deutsch, Finnish, French, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Simplified Chinese, Traditional Chinese, Spanish, Swedish, Thai, Turkish

This NVR is a Linux-embedded stand-alone system, providing a stable and good quality local display through HDMI or VGA interface. As a network-based surveillance system, NVS-1040 processes remote access ability to strengthen its usability. It is compatible with more than 70 brands of IP cameras, with monthly free pack update. It features two useful functions, One-Click Setup And Easy Config. One-click setup saves the time in camera configuration by searching and automatically adding cameras in the system. Easy configuration facilitates the process of establishing Internet access to the IP POWER system, meaning there is no more router settings for remote (IE 8 and later) and mobile viewing (iPhone, iPad, Android). Being consistent with all the systems in IP POWER PC Based family, it is compatible with IP POWER Central Management System, making it appropriate not only for home or SMB recording, but also for chain stores or ATM/bank projects by POS support.



*8x3.5" HDD Slot



*Rear Panel



*Accessories

FEATURE HIGHLIGHTS

LOCAL

- Linux Embedded – Safer Solution Against PC Crashes and Virus Attacks
- One-Click Setup for more than 70 Brands of IP Cameras
- 16 CH Real Time @1080p Live Display
- Point of Sale (POS)¹
- RAID 0,1 for Maximum Capacity or Data Protection
- Supports Megapixel Cameras and H.264 Compression Format
- Remote I/O Solution and Camera I/O Integration³
- Real-Time Digital Output, Email Alert and Push Notification on Mobile
- NTP Server Synchronization
- Compatible with Touch Panel²
- Supports 82 Brands of IP Cameras and over 2000 Models³ (with Free Monthly Update)

REMOTE

Remote Client Application

- Supports Stream Profile for Remote Live View Bandwidth Control
- Supports Mobile Client for iPhone / iPad / Android⁴
- Up to 128 CH Remote Live View with Multiple Monitors

Web

- Web-Based Configuration, Live Viewer, Playback (Recommend on IE8 and Later)
- Online GUI Recording Schedule
- Generic Dewarp (Fisheye)
- Digital PTZ and Multi-View
- Supports Joystick for Easier Camera Control
- Playback with 5 Types of Intelligent Event Search
- E-map with Indicator
- Digital Watermark



ONE-CLICK SETUP for More Than 70 Brands of IP Cameras

The “Auto Camera Setup” offers simple, DVR like, camera settings. At the click of a button, it will find and add the selected cameras to live view and recording channels automatically. Users no longer need to configure the cameras individually or setup their IP addresses and enter the credentials in the recorder one by one.

POINT OF SALE (POS)

This feature overlays POS data on dedicated camera channels in Live View and Playback. In remote applications, there is an advanced search based on event log of smart detection and any text in transaction data. All transaction data is stored in SQLite format for business analysis.

¹ POS device configuration is only available in web.

² Acer® T232HL and ViewSonic® TD2220

³ The data is updated for DP 2.14

⁴ Please check the supported camera spec list on website. To use this feature, you have to enable 2nd stream function on setting page first.

Component	Description
Recording Server	Recording Server is a NAS-based server which receives the streams from cameras. The main features are listed below. <ul style="list-style-type: none"> • Streams and records live video and audio from camera • Embedded LINUX for high stability, more secure against virus attacks • Supports RAID 0, 1 for maximum capacity of data protection
Local Operator	Local Operator is the operating system to provide a stable and good quality local display through HDMI or VGA interface. Users can connect a monitor with NVS-1040 to: <ul style="list-style-type: none"> • Monitor live videos or playback recorded videos with high decoding capacity 120fps @1080p or 240fps @720p • Save snapshot or backup videos • Configure the system by remote control, mouse, and keyboard There are 4 output resolutions supported in the system: 1920x1080, 1280x1024, 1280x720, 1024x768. Please check spec sheet for more details about local display.
Web Viewer (Client)	Web Viewer is the client to ask recording data from Recording Server. Remotely, users can connect to the recording server via web viewer (Internet Explorer) to: <ul style="list-style-type: none"> • Configure the system • Monitor live videos (up to 64 channels), and duplicate channel display with digital PTZ • Multiple camera streams to display • Playback recorded videos (up to 16 channels) Web viewer logs in to the Recording Server via 4 different user groups: administrator, power user, user, and guest. Each user group has its own distinctive privilege in system configuration, live view camera and playback camera.
Remote Live Viewer (Client)	Remote Live Viewer application is used to monitor multiple IP POWER servers from IP POWER PC Based family simultaneously, featuring PTZ control, E-map and I/O panel. Dual monitor supports up to 128 channels, with 64 channels per monitor.
Remote Playback System (Client)	Remote Playback application can play up to 16 channels of recording from any one of the servers in IP POWER PC Based family simultaneously.
Remote Backup System	Remote Backup application can be used to backup recording videos and POS transaction remotely from NVR