



Powerful Surveillance Secure Your Life
The Home Security Solutions

INV5100

Optimum Standalone NVR

Network Video Recorder



INV5100

Key Features

- **Enhanced Linux OS, well-protection against viruses and hackers**
- **H.264, MPEG-4 and M-JPEG compression**
- **Max. 6CH IP cameras recording(support ONVIF and 2 Megapixel IP camera)**
- **Software RAID 1**
- **Network coprocessor with TCP/IP acceleration for higher throughput**
- **Dual streaming for recording and remote/mobile live view**
- **CMS and iOS/Android mobile surveillance support**

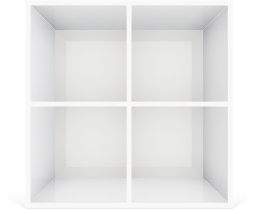
Product Overview

Optimum Standalone NVR is a powerful and stylish NVR system. Featured with market-leading embedded Linux, H.264/MPEG-4/M-JPEG compression, and video/audio stream technology, the system can provide Max. 6CH@1080P recording and high performance remote surveillance functions for each IP camera. The powerful NVR provides optional 2 SATA HDDs for recording data storage, which software RAID function can protect critical video clips. It can definitely satisfy those who are searching for leading-edge surveillance solutions and offers users power, stability, and flexibility when applied to surveillance tasks on remote site.

<http://www.ipux.net>

Address: 8F, No.356, Neihu Road Sec. 1, Neihu District, Taipei, Taiwan
Phone:886-2-2656-0242 Fax:886-2-2656-2966

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Camera Support

- IP cameras auto discovery within LAN
- Video Compression: H.264/ MPEG-4/ M-JPEG
- Video Resolution: Up to 2 Megapixel
- Video Streaming: dual streaming with compression, resolution, frame rate, bit rate/quality, brightness, contrast, hue, saturation and sharpness settings
- Channels Support (Recording): allows for up to 6CH 2 megapixel IP camera recording
- Audio: synchronized audio and video recording, two-way audio

Recording

- Recording Speed: Max. 6CH, 180FPS@1080P recording
- Recording Mode: Continuous/motion/alarm recording, multiple continuous/motion/alarm recording schedules
- Recording Buffer: Adjustable for pre-event recording and post-event recording, recycle HDD and keep video days

Remote Live View

- View Mode: 1, 2X2, 1+5 and sequential display
- OSD information: camera name, date/time, record/event status
- View Control: Full screen display, original video aspect ratio, video snapshot, optical PTZ/digital PTZ control and audio control
- Device Tree: Tree View listing
- Event Control: Event List

Remote Playback

- Playback Mode: Max. 4CH playback
- Playback Mode: 1, 2X2 view mode
- Search Mode: By timeline
- Playback Control: Play, pause, reverse play, previous key frame/next frame, speed control(1, 2, 4, 8, 16), video snapshot, digital zoom and audio control
- Export: Convert recording video to AVI, ASF or MKV format and export to external USB device

Event Management

- Monitor video motion, camera disconnected, video loss, storage full, hard disk failure, backup failure, system boot-up, system shutdown and system configuration changed events within specified time.
- On-screen event alert, event log, email alert with attached recording video alert actions can be activated when an event is triggered

Backup

- Backup recording video of previous day to ftp server

System

- Support network firmware upgrade and patch
- Support remote system shutdown and reboot

Security

- Authority Management: four-level privilege, different user rights can be assigned to different users
- Event Logs: detailed event logs
- User Logs: record of the users currently logged on and previously logged on to the NVR

Disk Management

- Support HDD S.M.A.R.T. to monitor hard disk drives status
- Redundant storage with non-RAID, RAID-1 HDD modes

Network

- Dual streams: high resolution stream for recording and low bandwidth stream for local, remote or mobile live view
- Protocol: HTTP, DHCP, Static IP, DNS, PPPoE, DDNS, FTP, NTP, RDATE, SSH, UPnP and SMTP
- Timeout period for idle remote client to automatic log off
- Outgoing Bandwidth Limit

Utility

- NVR setup wizard (discovery NVR, NVR network setting and quick setup IP Camera)
- Windows remote client, Web remote client, iPhone/iPad client and Android client

iPhone/iPad and Android app

- 1, 4 screen division
- Two-way audio
- HD live view and event video playback
- Event push notification
- Snapshot for evident
- PTZ, ePTZ control

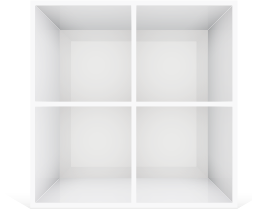
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Hardware Specification

Photo



CPU	Dual-core ARM 11MP processor architecture with MMU (each core running at 750MHz)
Memory	128MB DDR2 SDRAM 256MB NAND Flash
Network	Network coprocessor with TCP/IP acceleration for higher throughput at lower CPU utilization Gigabit LAN port * 1
SATA	SATA II interface * 2 Software RAID 1.
Front I/O	Software Power Button * 1 Power LED(Blue) * 1 Data Access LED(Blue) * 1 Disk Status LED(Red) * 2 System Ready/Copy LED(Green) * 1 Ethernet Link LED(Green) * 1 Copy Button * 1 USB 2.0 Host Connector * 1
Rear I/O	DC connector RJ45 connector (10/100/1000) with 2 LEDs * 1 (Link and Activity) USB 2.0 host connector * 1 Reset pin hole
Power Supply	External power adapter, AC 50/60Hz, 100 to 240V, DC 12V/3A
Operating Environment	Operating Temperature: 5°C ~ 40°C Operating Humidity: 20%RH ~ 80%RH Storage Temperature: -20°C ~ 70°C Storage Humidity: 10%RH ~ 90%RH
Dimension	17.7cm x 12.3cm x 8.1cm

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