



VS-2004L

Hardware Spec.

CPU	Marvell 6281 1.2GHz
DRAM	256MB DDRII RAM
Flash Memory	16MB
Hard Disk Drive	2 x 3.5" SATA I/II hard disk drive (HDD) NOTE: <ol style="list-style-type: none"> 1. The system is shipped without hard disk drives. 2. For the HDD compatibility list, please visit http://www.qnap.com/pro_compatibility.asp
LAN Port	1 x Gigabit RJ-45 Ethernet port
LED Indicators	USB, Status, HDD1, HDD2, LAN, Power
USB	3 x USB 2.0 port (front: 1; back: 2) Support USB pen drive, and USB UPS etc.
Buttons	System: Power button, one-touch-auto-video-backup button, reset button
Alarm Buzzer	System warning
Form Factor	Portable
Dimensions	165.5 (H) x 85 (W) x 218.4 (D) mm 6.52 (H) x 3.35 (W) x 8.60(D) inch
Weight	Net weight: 0.91 kg/ 2.01 lb Gross weight: 1.9 kg/ 4.19 lb
Power Consumption (W)	In operation: 13W (with 2 x 500GB HDD installed)
Temperature	0-40°C

Humidity	0-95% R.H.
Power	External Power Adapter, 60W, 100-240V
Secure Design	K-lock security slot for theft prevention
Fan	1 x quiet cooling fan (6cm, 12V DC)



Software Spec.

Recording

Supported Camera Models	Please visit http://www.qnapsecurity.com/pro_compatibility_camera.asp
Number of Channels Supported (Recording)	Up to 4
Video Compression	H.264/ MPEG-4/ M-JPEG (depending on the camera models)
Recording Mode	<ul style="list-style-type: none"> •Continuous/ manual/ schedule recording •Alarm recording/ multiple alarm recording schedules
Buffer Storage for Alarm Images (before and after events)	<ul style="list-style-type: none"> •Pre-recording: Up to 300 sec •Post-recording: Up to 300 sec
Network Throughput	28 Mbps
Recording Settings	Video compression, resolution, frame rate, quality, audio recording
File Format	AVI (QNAP codec is required for playback)

Remote Monitoring

Display Mode	1/4/6/8/9/10/12/16/20/25/36/42-channel display, Picture-in-Picture, sequential mode, multi-display mode
Multi-server Monitoring	Up to 128-channel monitoring from multiple VioStor NVR servers

Monitoring Enhancement Full screen display, video snapshot, manual recording, event notification, PTZ control, digital zoom

E-map Upload E-map (JPEG)

Remote Playback

Playback Channel Max 4-view playback from multiple NVR servers simultaneously

Search Mode By date & time, timeline, event, and intelligent video analytics (IVA)

Intelligent Video analytics (IVA) Motion detection, missing object, foreign object, out of focus, and camera occlusion

Playback Control Play, pause, stop, reverse play, next/ previous frame, next/ previous video file, different speed control

Playback Enhancement Full screen display, video snapshot, digital zoom, digital watermarking

Export Convert recording files to one avi file

Download Download recordings via the web

Advanced Event Management

Events Motion detection, alarm input, connection failure, recording failure, and user-defined event

Actions Video recording, email alert, SMS alert, buzzer, PTZ camera control, alarm output, and user-defined action

Backup

Schedule Remote Replication Schedule video data backup to a NAS on the local network

Video Backup to External USB Storage by One-Touch-Auto-Video-Backup Button Press and hold the one-touch-auto-video-backup button for 3 seconds. The recording data on VioStor will be copied to the external USB device instantly.

Security Control

Authority Management Different user groups and rights can be assigned to different users

Host Access Control Specify the connections to be allowed and denied to access the VioStor NVR

Auto Logoff Automatic user logoff from idling configuration pages

Event Logs Detailed event logs

On-line Users List Record of the users currently logged on and previously logged on to the VioStor NVR

Digital Watermarking Verify whether or not the videos and snapshots are original

Reliability

Operation System Linux-embedded system, free from PC crash and virus attack

Disk Management

- Single disk, RAID 0, RAID 1, and JBOD/Linear
- Online RAID Capacity Expansion, Online RAID Level Migration
- HDD S.M.A.R.T., bad blocks scan

UPS APC/ CyberPower/ MGE (USB UPS)

Network Services

Support HTTP, TCP/IP, SMTP, DHCP, Static IP, DNS, DDNS, FTP, NTP

Services Web File Manager, FTP, SMB/CIFS

Language Support

Language Czech/ Danish/ Dutch/ English/ French/ Finnish/ German/ Hungarian/ Italian/ Japanese/ Korean/ Norwegian/ Polish/ Portuguese/ Russian/ Spanish/ Swedish/ Simplified Chinese/ Traditional Chinese/ Turkish

Client PC Requirement (Suggested system requirement for better video performance)

CPU

- M-JPEG format (up to 4 channels):
Pentium 4 CPU 2.4 GHz or above
- MPEG-4/ H.264/ MxPEG format (up to 4 channels):
Dual core CPU 2.0 GHz or above

* For higher surveillance performance, please select more advanced PC models.

Memory 2 GB or above

Operation System Microsoft Windows XP/ Vista/ 7

Web Browser Internet Explorer 6.0 or above

Network Interface 10/100/1000 Mbps

Display Resolution 1024 x 768 pixels or above

Utilities

QNAP Finder Discovery and quick setup of the VioStor NVR

VioStor Player Play the recording files on your Windows computer easily

Watermark Proof

Check if the exported videos and snapshots were modified

VMobile

Monitor the network cameras on the VioStor NVR by the Android phone, Android Tablet, iPhone, iPad, iPod touch, and Windows phone (6.1~6.5)