UioStor NVR Network Video Recorder VS-2108L

Network Surveillance System for SOHO and Home



VS-2108L

Power

Hardware Spec.

 CPU
 Marvell 1.6GHz

 DRAM
 512MB DDRIII RAM

 Flash Memory
 512MB

 Hard Disk Drive
 2 x 3.5" SATA I/II hard disk drive (HDD)

 NOTE:
 NOTE:

The system is shipped without hard disk drives.

2. For the HDD compatibility list, please visithttp://www.qnap.com/pro_compatibility.asp

LAN Port	1 x Gigabit RJ-45 Ethernet port
LED Indicators	USB, Status, HDD1, HDD2, LAN, Power
USB	1 x USB 2.0 port (front: 1)
	2 x USB 3.0 port (back: 2)
	Support USB mouse, USB keyboard, USB sound card, 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.

External Power Adapter, 60W, 100-240V

Secure Design	K-lock security slot for theft prevention
Fan	1 x quiet cooling fan (6cm, 12V DC)

Design and specifications are subject to change without notice.

Software Spec.

Recording		
Supported Camera Models	Please visit	
	http://www.qnap.com/NVR/CompatibilityX01.html	
Number of Channels	Up to 8	
Supported (Recording)		
Video Compression	H.264/ MPEG-4/ M-JPEG (depending on the camera models)	
Video Setting	Video compression, resolution, quality, frame rate, audio	
Recording Mode	Continuous/ schedule/ manual recording	
	Alarm recording by multiple events	
	•Smart recording (depending on the camera models)	
	Auto snapshot	
Buffer Storage for Alarm	●Pre-recording: Up to 300 sec	
Images	●Post-recording: Up to 300 sec	
(before and after events)		
Recording Performance	Up to 30 fps at HD/megapixel for each channel	
	* Real performance may vary in different environment	
Network Throughput	40 Mbps	
File Format	AVI (QNAP codec is required for playback)	
Recording Enhancement	Real-time digital watermarking	
Application		
Fisheye Dewarping	Support the specific fisheye IP Cameras on remote monitoring/playback	
	* Please visit http://www.qnap.com/NVR/CompatibilityX01.html to get the compatibility list	
360° Panomorph Video	Support the specific IP camera with panomorph lens on remote monitoring/playback.	
Remote Monitoring (Windows)		
Display Mode	1, 4, 6, 8, 9, 10, 12, 16, 20, 25, 36, 42, 64-channel display, sequential mode	

Dual-display Mode Up to 2 monitors

Multi-server Monitoring Up to 128-channel monitoring from multiple VioStor NVR servers (browser-based)

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

E-map Uploading the digital maps and indicating the locations of the IP cameras and GPI devices of a

monitoring location or region

Remote Playback (Windows)

Display Mode 1, 4, 6, 8, 9, 10, 12 or 16-channel display

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

Intelligent Video Analytics Motion detection, missing object, foreign object, out of focus, and camera occlusion

(IVA)

Playback Mode 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 multiple recording files to client PC instantly

Download Download recordings via the web

QNAP Surveillance Client for Mac

Display Mode 1, 4, 6, 8, 9, 10, 12, or 16-channel display mode, sequential display mode

Monitoring Enhancement Full screen display, event notification, PTZ control, digital zoom

Playback Single view playback

Search Mode for Playback By date & time

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

Playback Enhancement Full screen display, digital zoom

Export Convert multiple recording files to Mac device instantly

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

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

•HDD S.M.A.R.T., bad blocks scan

UPS Please visit

http://www.qnapsecurity.com/pro_compatibility_ups.asp

Network Services

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

Services FTP, SMB/CIFS

Language Support

Language Czech/ Danish/ Dutch/ English/ Farsi/ French/ Finnish/ German/ Hungarian/ Italian/ Japanese/ Korean/

Norwegian/ Polish/ Portuguese/ Russian/ Spanish/ Swedish/ Simplified Chinese/ Traditional Chinese/

Turkish

Remote Surveillance

Client PC Google Chrome, Internet Explorer, Mozilla Firefox (Browser-based)

QNAP Surveillance Client for Windows

Mac QNAP Surveillance Client for Mac

Android Tablet, phone VMobile

iPad, iPhone, iPod Touch VMobile

Windows Mobile (6.1, 6.5) VMobile

Device

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

CPU ●M-JPEG format (up to 8 channels):

Pentium 4 CPU 2.8 GHz or above

•MPEG-4/ H.264/ MxPEG format (up to 8 channels):

Dual core CPU 2.4 GHz or above

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

Memory 2 GB or above

Operation System Microsoft Windows Vista/ 7/ 8 or Mac OS X 10.7.x, 10.8.x

Web Browser Microsoft Internet Explorer 8/9/10 (Windows PC, desktop mode, 32-bit)

Google Chrome 30.0.1599.69 m (Windows PC)

Mozilla Firefox 24.0 (Windows PC)

Network Interface 10/100/1000 Mbps

Display Resolution 1280 x 720 pixels or higher for better user experience

Utility Software

QNAP Finder The client application to discovery and quick setup of the VioStor NVR

QNAP Surveillance Client For The client application used to remotely access QNAP NVR servers for performing video monitoring and

Windows playback functions on client PC.

QNAP Surveillance Client For The client application used to remotely access QNAP NVR servers for performing video monitoring and

Mac playback functions on Mac.

QNAP Codec The video codec to play the recording files on Windows Media Player.

VMobile The Mobile App to monitor the network cameras on the VioStor NVR by the Android phone, Android

tablet, iPhone, iPad, iPod touch, and Windows mobile (6.1, 6.5) device.

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