

VS-12148U-RP Pro

Hardware Spec.

Processor	Quad Core Intel®Xeon®Processor E3				
HDD Capacity	 12 x 3.5-inch SATA 6Gb/s, SATA 3Gb/s hard drive NOTE: 1. The system is shipped without HDD. 2. For the HDD compatibility list, please visit here 				
HDD Tray	12 x hot-swappable and lockable tray				
LAN Port	4 x Gigabit RJ-45 Ethernet port				
LED Indicators	Status, 10 GbE, LAN, eSATA, hard drives *10 GbE (reserved), eSATA (reserved)				
USB	2 x USB 3.0 (back:2) 4 x USB 2.0 (back:4) *Exporting recording file in playback by USB3.0 ports only.				
Buttons	System: Power button, reset button				
Alarm Buzzer	System warning				
Form Factor	2U, Rack mountable				
Dimensions	88(H) x 439(W) x 520(D) mm 3.46(H) x 17.28(W) x 20.47(D) inch				
Weight	Net weight: 15.88 kg (35.01 lb) Gross weight: 25.60 kg (56.44 lb)				
Operation Environment	Temperature 0~40°C/ 32~104°F Humidity 0~90% R.H.				
Power Supply	Input: 100-240V AC, 50/60Hz, Output: 600W				
Power Consumption	167W Write/Read (with 12 x 2TB HDD installed)				

Video Output 1x VGA

Fan	3 x 6cm smart cooling fan

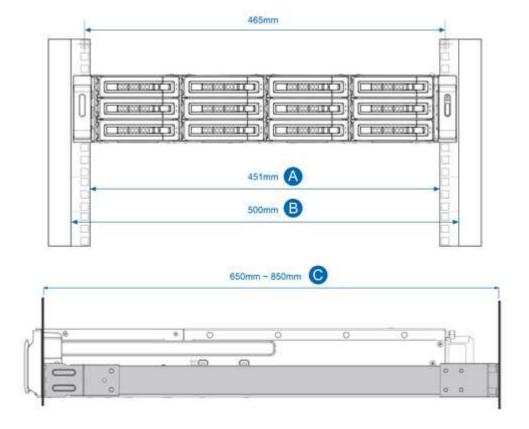
Certification CE, FCC, VCCI, BSMI, C-Tick

Design and specifications are subject to change without notice.

Remark:

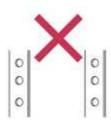
The VS-12100U-RP Pro rack mount series comply with ANSI/EIA-RS-310-D rack mounting standards. Before purchasing the server racks for these models, please make sure the server racks conform to the following criteria:

- 1. Rack size
- A. Mounting post width: ≥ 451mm
- B . Panel width: ≥ 500mm
- C. Mounting post depth: 650mm~850mm



2. The rack kits for the VS-12100U-RP Pro rack mount series are only compatible with square-hole server racks.





Software Spec.

Supported Camera Please visit

Models http://www.qnapsecurity.com

Number of Channels Up to 48

Supported (Recording)

Recording Mode • Continuous/ manual/ schedule recording

• Alarm recording/ multiple alarm recording schedules

Buffer Storage for • Pre-recording: Up to 300 sec

Alarm Images • Post-recording: Up to 300 sec

(before and after

events)

Recording Up to 30 fps at H.264, 720P for each channel

Performance * Real performance may vary in different environment

Megapixel Recording Supports megapixel cameras (up to 10-megapixel)

Network Throughput 450 Mbps

File Format AVI (QNAP codec is required for playback)

Recording Real-time digital watermarking, auto snapshot

Enhancement

Local Display

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

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

Enhancement

Local Playback Single view playback from local NVR server

Search Mode for Local By date & time

Playback

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

Local Playback Full screen display, digital zoom

Enhancement

Export Convert multiple recording files to the external USB device instantly

System Administration Quick configuration, administration password, network settings, time settings,

disk volume configuration, camera settings

Remote Monitoring					
Display Mode	1, 4, 6, 8, 9, 10, 12, 16, 20, 25, 36, or 42-channel display, Picture-in-Picture, sequential mode, multi-display mode				
Video Compression	H.264/ MPEG-4/ M-JPEG/ MxPEG (depending on the camera models)				
Video Setting	Resolution, Quality, Frame Rate				
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				
Dynamic 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						
Playback Channel	Max 16-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 Mode	Play, pause, stop, reverse play, next/ previous frame, next/ previous video file, different speed control					
Display Mode	Single playback view, 4 playback views, 9 playback views, 16 playback views					
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

Schedule video data backup to a NAS on the local network

Replication

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

•Single disk, RAID 0, RAID 1, RAID 5, RAID 5+ hot spare, RAID 6, RAID 6+ hot

spare, and JBOD/Linear

•Online RAID Capacity Expansion, Online RAID Level Migration

 $\bullet \mathsf{HDD} \; \mathsf{S.M.A.R.T.}, \, \mathsf{bad} \; \mathsf{blocks} \; \mathsf{scan}$

UPS APC/ CyberPower/ MGE (USB UPS)

Network Services

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

failover, load-balancing, multi-IP setting

Dual Gigabit LAN Failover/ load-balancing/ multi-IP setting

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 42 channels):

Quad core CPU 2.33GHz or above

•MPEG-4/ H.264/ MxPEG format (up to 42 channels):

Core i7 CPU 2.8GHz 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

Utility Software

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 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)