

Hardware Specifications

HDD:

- Supports 1 x 3.5" SATA I/II HDD, up to 1TB storage capacity, expandable to 2TB via eSATA (the HDD is not included)

LAN Port:

- 1 x Gigabit RJ-45 Ethernet port

LED Indicators:

- Power, USB, status, LAN, hard disk

USB:

- 3 x USB; for USB storage device (One Touch Auto Video Backup) and UPS device

eSATA:

- 1 x eSATA port

Buttons:

- One touch auto video backup, power, reset

Form Factor:

- Portable desktop

Hardware Dimensions:

- 165.5 (H) x 60 (W) x 218.4 (D) mm
- 6.52 (H) x 2.36 (W) x 8.6 (D) inch

Hardware Net Weight:

- 0.71 kg/ 1.57 lb (without HDD)

Color Box Shipping Weight:

- 1.57 kg/ 3.46 lb (without HDD)

Operation Environment:

- Temperature: 0~40°C/ 32~104°F
- Humidity: 0~85% R.H.

Power Supply:

- External power adaptor, 36W, 100~240V

Energy-saving Design:

- Low power consumption

Thermal Solution:

- Low noise fan

Secure Design:

- K-Lock security slot for theft prevention
- Power cord hook for kicking-off prevention

Certification:

- CE, FCC, VCCI, BSMI

Brand	Models	NVR-104P		NVR-104V	
		4 Channels	4 Channels	4 Channels	4 Channels
AXIS	206M/ 207/ 207W/ 207M/ 207MW/ 209FD/ 209FD/ 210/ 210A/ 211A/ 211/ 211W/ 211M/ 212/ 213/ 214/ 215/ 216FD/ 216MFD/ 221/ 223M/ 225FD/ 231/ 232/ 233D/ 241Q/ 241QA/ 241S/ 241SA/ 243SA/ 247S/ P3301/ Q7401/ M1011/ M1011-W/ M1031-W	●	●	●	●
ACTI	ACM-123X/ ACM-1311/ ACM-143X/ ACM-3001/ ACM-3211/ ACM-3311/ ACM-340X/ ACM-4100/ ACM-4200/ ACM-5001/ ACM-56XX/ ACM-5711/ ACM-7411/ ACM-8211/ ACM-8511/ CAM-5XXX/ CAM-6XXX/ ACD-2100/ ACD-2200/ SED-2140/ SED-2120	●	●	●	●
Arecont	AV 1300M/ AV 2100M/ AV 3130/ AV 3100	●	●	●	●
Canon	VB-C300/ VB-C300B/ VB-C50B/ VR-C50/ VB-C50FS/ VB-C50FI	●	●	●	●
D-Link	DCS-2120/ DCS-3220/ DCS-3220(G)/ DCS-3420/ DCS-5220/ DCS-5300/ DCS-5300G/ DCS-6620/ DCS-6620G/ DCS-2121/ DCS-900(A)/ DCS-900(B)/ DCS-900(B2)	●	●	●	●
EDIMAX	IC-1510/ IC-3010(WG)/ IC-7000PT	●	●	●	●
ELMO	PTC-402C-IP	●	●	●	●
Etrovision	EV3130/ EV3131/ EV3131A/ EV3830/ EV6130/ EV6332/ EV6530	●	●	●	●
GANZ	ZN-D202A/ ZN-PT304U/ ZN-PT304WL/ ZN-YH305/ ZV-S306	●	●	●	●
IPIX	ICS 1001/ ICS 1011/ ICS 1003/ ICS 1013/ ICS 1300/ ICS 1310/ ICS 130A/ ICS 131A	●	●	●	●
IQeye	510/ 511/ 701/ 702/ 703/ 705/ 710D/ 711D/ 712D/ 752/ 753/ 755/ 802/ 803/ 805/ 811/ 852/ 853/ 855	●	●	●	●
LevelOne	FCS-0010/ FCS-0010G/ FCS-0020/ FCS-0020G/ FCS-1010/ FCS-2010/ FCS-1030/ FCS-2030/ FCS-1040/ FCS-2040/ FCS-1060/ FCS-2060/ FCS-1070/ FCS-2070/ FCS-109X/ FCS-109XG/ FCS-3000/ FCS-3021/ FCS-5030	●	●	●	●
MOBOTIX	D12D-IT/ D12D-Sec/ D22M-Basic/ D22M-IT/ D22M-Sec/ M12D-IT/ M12D-Sec/ M12M-IT/ M12M-Sec/ M12M-Web/ M22M-IT/ M22M-Night/ M22M-Sec/ Q22M-Basic/ Q22M-Sec	●	●	●	●
Panasonic	BB-HCM580/ BB-HCM581/ BB-HCM527/ BB-HCM531/ BB-HCM511/ BB-HCM515/ BB-HCM547/ BL-C1/ BL-C10/ BL-C11/ BL-C131/ BL-C20/ BL-C30/ BL-C30K1/ BB-HCM481/ BB-HCM403/ BB-HCM381/ BB-HCM371/ BB-HCM331/ BB-HCM311/ BB-HCM110/ BB-HCM100/ KX-HCM280/ KX-HCM180/ BL-C11/ BL-C31/ NF282/ NF284/ NP1000/ NP1004/ NP244/ NS202(A)/ NW484/ WV-NF302/ WV-NP304/ WV-NP304V	●	●	●	●
SANYO	VCC-P450/ VCC-P470/ VCC-PT490/ VCC-PT500/ VCC-9800	●	●	●	●
SONY	SNC-CS10/ SNC-CS11/ SNC-CS20/ SNC-CS50/ SNC-CM120/ SNC-DF40/ SNC-DF50/ SNC-DF70/ SNC-DF80/ SNC-DS10/ SNC-DS50/ SNC-DM110/ SNC-DM160/ SNC-P1/ SNC-P5/ SNC-RX530/ SNC-RX550/ SNC-RX570/ SNC-RZ25/ SNC-RZ30/ SNC-RZ50/ SNC-Z20	●	●	●	●
TOSHIBA	IK-WB12/ IK-WB21	●	●	●	●
TRENDnet	TV-IP212/ TV-IP212W/ TV-IP312/ TV-IP312W/ TV-IP410/ TV-IP410W/ TV-IP422/ TV-IP422W	●	●	●	●
VIVOTEK	IP3112/ IP3122/ IP3111/ IP3121/ IP3132/ IP3135/ IP3137/ PT3112/ PT3122/ PT3117/ PT3127/ IP6112/ IP6122/ IP6117/ IP6127/ FD612/ FD6122/ PZ6112/ PZ6122/ PZ6114/ PZ6124/ SD6112/ SD6122/ IP7131/ IP7137/ IP7132/ IP7133/ IP7134/ IP7135/ IP7137/ IP7138/ IP7139/ IP7142/ IP7151/ IP7152/ IZ7151/ PT7135/ PT7137/ PZ7151/ PZ7152/ SD7151/ FD7131/ FD7132/ FD7141/ VS 3102/ VS 3100P/ VS 7100	●	●	●	●
Y-CAM	Y-Cam White/ Y-Cam Black	●	●	●	●

*For the latest information of the supported cameras, please visit QNAP security website: http://www.qnapsecurity.com/pro_compatibility_camera.asp
 **All the other trademarks mentioned herein are the property of their respective companies.
 ***Designs and specifications are subject to change without notice.

Software Specifications

Video

Display Mode:

- 1/ 4/ 6/ 8/ 9/ 10/ 12/ 16/ 20/ 25 / 36/ 42-channel display, Picture-in-Picture mode, sequential mode, dual display mode

Recording Connection:

- Up to 4

Multi-server Monitoring:

- Up to 120 channels monitoring from multiple QNAP NVR servers

Compression Format:

- M-JPEG, MPEG-4 and H.264 (depend on IP camera)

Video Setting:

- Resolution, quality, frame rate

E-map:

- Upload E-map

Recording

Recording Mode:

- Continuous/ schedule/ manual recording
- Alarm recording/ multiple alarm recording schedules

Buffer Storage for Alarm Images (before & after events):

- Pre-recording: up to 300 sec; post-recording: up to 300 sec (total 600 sec/ 10 min)

Recording Performance:

- Up to 120 frames at QVGA (320x240) or CIF (320x240)
- Up to 40 frames at VGA (640x480)

* Real performance may vary in different environment

File format:

- AVI

Playback

Playback Channel:

- Max 4-channel playback at the same time

Playback Mode:

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

Search Mode:

- By date & time, timeline and event

Playback Enhancement:

- Full screen display, video snapshot, digital zoom

Download:

- Download recordings via the web

Network

Support:

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

IP Camera:

- Allows setting LAN/ WAN IP address

Security

Operation System:

- Linux-embedded, free from PC crash and virus attack

On-line Users List:

- Record of users currently logged on and previously logged on to the NVR

Host Access Control:

- Specify the connections to be allowed and denied to access NVR

Authority Management:

- Configure different authority of specified cameras for max 32 users

Alert Notification:

- Buzzer, e-mail alert, event notification on monitoring

UPS:

- Supports APC (USB type UPS)

Event Logs:

- Detailed record of all events

Storage

Disk Mode:

- Single, RAID 0, RAID 1, JBOD/ Linear

Services:

- Web File Manager, FTP, SMB/CIFS

Client PC Requirements (Suggested system requirements for better video performance)

CPU:

- Motion-JPEG format (up to 4-channel): Pentium® 4 CPU 2.0 GHz or above
- MPEG-4/ H.264 format (up to 4-channel): Dual core CPU 2.0 GHz or above

Memory:

- 1 GB or above

Operation System:

- Windows® XP/ Vista® (32-bit)

Browser:

- Internet Explorer® 6.0 or later

Network Interface:

- 10/100 Mbps or above

Display Resolution:

- 1024 x 768 pixels or above

Language Support

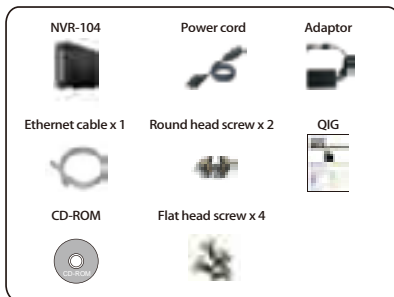
- English/ French/ German/ Italian/ Japanese/ Spanish/ Simplified Chinese/ Traditional Chinese/ Danish/ Dutch/ Finnish/ Korean/ Norwegian/ Polish/ Portuguese/ Russian/ Swedish

Utility Software

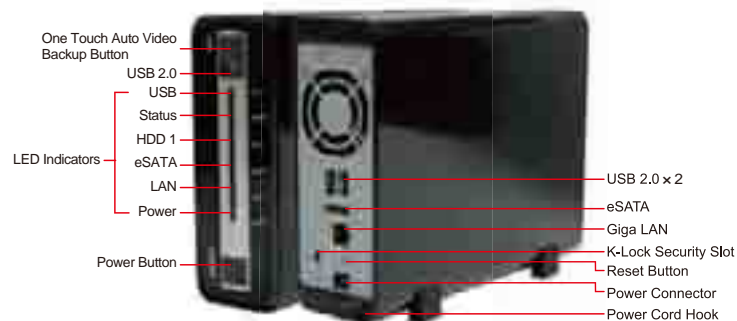
QNAP Finder:

- QNAP Finder is provided for quick server setup and NVR discovery in LAN

Package Contents



Hardware Illustration



*Designs and specifications are subject to change without notice. Please contact QNAP for updated information.

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