NR8201/8301 vs NR7401

	NR8201/8301	NR7401
Real-time H.264, MPEG-4, and MJPEG Compression (Triple Codec)		-- (H.264 not supported)
Simultaneous Viewing & Recording		V
Built-in 802.3af Compliant PoE		V
Camera Installation through Easily Plug and Play		V
External USB Interface for Video Backup		V
LED Indicator for Quick Status Display		V
Integrated Firewall Protects System from Network Attacks and Unauthorized Access		V
Built-in Gateway for Separating the Networks from the Network Cameras and Data Transmitting		V
IP Address Filtering		V
PTZ & ePTZ Camera Control		-- (ePTZ not supported)
Removable & Lockable HDD Design		--
Compatible with VIVOTEK VAST Central Management Software		--
Professional Rack Mount Design		--
External eSATA Interface (NR8201)		--
Support RAID 0, 1 Scalable Storage Solution (NR8301)		--
Power Timer for Power Safety		--
Support All Series of VIVOTEK Products		--
Convenient Video Settings of Resolution, Quality and Frame Rate		--
Gigabit Ethernet Port for Higher Transmitting Rate		--
Multiple Streams		--

Technical Specifications

System
· CPU: Marvell 88F6281 1.2G
· Flash: 128MB
· RAM: DDR-SRAM 512MB
· Embedded OS: Linux

Channels
· NR8201: Support up to 4 channels
· NR8301: Support up to 8 channels

Hard Disk
· NR8201: Support 1 x 3.5" SATA I/II HDD, up to 2TB (Support external eSATA interface)
· NR8301: Support 2 x 3.5" SATA I/II HDD, up to 4TB (Support RAID 0, 1 scalable storage)

Compatibility
· Support VIVOTEK all series of network cameras

Codec
· Video compression: H.264/MJPEG/MPEG-4
· Audio compression: AAC/GAMR/G.711

Recording Throughput
· Total 50Mbps
  NR8201: 4 x 30fps @ 1080P
  NR8301: 8 x 30fps @ 1280x800

Recording Policy
· Alarm recording
· Scheduled recording
· Continuous recording
· Manual recording

Connectors
· 1 x Gigabit, RJ45 (1 WAN port)
· NR8201: 10/100 BaseTX Ethernet x 4, RJ45 (4 LAN ports)
· NR8301: 10/100 BaseTX Ethernet x 8, RJ45 (8 LAN ports)
· USB socket for backup
· Terminal block: 4 digital input, 1 relay output, and 1 power output with 12V Max. 1A

Camera Management
· Auto or manual installation for VIVOTEK cameras
· Video and network configuration through NR8301

Pan/Tilt/Zoom Control
· Pan/tilt/zoom control of VIVOTEK cameras

History Playback
· Playback of recorded media with time navigations

Networking
· Protocols: IPv4, TCP/IP, HTTP, RTSP/RTP/RTCP, IGMP, SMTP,FTP, DHCP, NTP, DNS, DDNS, 3GPP

Alarm and Event Management
· Four D/I and one D/O for external sensor and alarm
· Event notification using SMTP

Security
· Multi-level user access with password protection
· IP address filtering

Users
· Camera live and playback viewing for up to 10 clients

Dimension
· 446.4 mm (W) x 330.2 mm (D) x 43.6 mm (H)

Weight
· NR8201: 4kg
· NR8301: 4.7kg

LED Indicator
· System power, PoE, status and hard disk indicators
· Network link indicator

Power
· 100 ~ 240V AC
· 802.3af compliant Power-over-Ethernet
· Power consumption:
  NR8201: Max. 0.48 W (without PoE camera); Max. 60 W (with 4 PoE cameras)
  NR8301: Max. 0.96 W (without PoE camera); Max. 120 W (with 8 PoE cameras)

Approvals
· CE, FCC, VCCI, C-Tick, CB

Operating Environments
· Temperature: 0 ~ 50 °C (32 ~ 122 °F)
· Humidity: 20% ~ 80% RH

Viewing System Requirements
· OS: Microsoft Windows 2000/XP/Vista/Win7
· Browser: Internet Explorer 6 or above
· 3GPP access

Installation, Management and Maintenance
· VAST central management software
· Installation Wizard 2
· Support firmware upgrade
· Support VIVOTEK joystick

Warranty
· 24 months

Network Video Recorder
NR8201/8301

H.264 • Compatible with VAST CMS • Lockable HDD & Rack Mount Design

VIVOTEK's NR8201/8301 network video recorder offers an elegant recording solution for VIVOTEK network cameras and performs real-time monitoring and recording simultaneously. It supports up to 4-CH (NR8201) and 8-CH (NR8301) H.264, MJPEG, and MPEG-4 video and provides multiple recording modes including alarm recording, scheduled recording, manual recording and continuous recording. The installation is very simple as the camera is able to be inserted automatically when it's plugged in. It also offers a user-friendly interface for the user to configure the network settings and the camera control. Moreover, the 802.3af compliant PoE (Power-over-Ethernet) is able to reduce the complex of the installation, making NR8201/8301 the cost-effective recording systems.

The user can utilize the NR8201/8301 to record high-definition mega-pixel videos on removable hard disk(s) with large capacity and a USB interface for data backup. The NR8201 also supports an external hard disk from the eSATA interface, and the NR8301 supports RAID 0 and 1 storage solution. The built-in gateway separates the network camera connection and the data network connection for the prevention of network congestion. Functional four digital inputs and one digital output interfaces are capable of integrating with the security sensors and alarms. The NR8201/8301 are comprehensive network video recorders featuring with multiple functions to provide the best quality and highest performance in network video recording.

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