VIVOTEK
BUILT WITH RELIABILITY

Network
Video Recorder
ND8301

VAST Inside • HD Local Display •
Full Integration with VIVOTEK Network Cameras

VIVOTEK ND8301 is an 8-CH Network Video Recorder designed for sophisticated recording applications. The unit is equipped with an Intel Dual-core Atom Processor with maximum recording throughput at a robust 96 Mbps. RAID 0/1 is supported with two removable HDDs for backup efficiency, with an external eSATA port for additional expansion. A first desktop type for the VIVOTEK NVR series, a local display output port is now available with full HD resolution (1920X1080), eliminating the need for a separate PC to view video from the unit. Setup of parameters such as IP, HDD, and basic camera configuration can easily be performed with the setup wizard, making the ND8301 the easiest NVR to use yet. When connecting ND8301 to more than one of the same model of VIVOTEK camera, the "Shepherd" program can be used to duplicate configuration settings to multiple cameras.

The operating system in ND8301 is VIVOTEK's professional central management software VAST, allowing for simple and effective management of a surveillance system using the LiveClient and Playback programs. As VIVOTEK's camera features are fully integrated into VAST, cutting-edge technologies such as SVC and Activity Adaptive Recording can be utilized to conserve bandwidth and optimize recording. A CMS server running VAST software can also directly control the ND8301, and compatibility with the iViewer application allows for remote access to the ND8301 on handheld devices. By integrating all of the components together using VIVOTEK's ND8301, network cameras, VAST and iViewer software, users can realize a fully-featured and robust next-generation surveillance system.

Features

Hardware
● Dual-core Intel® Atom™ Processor
● RAID 0, 1 for Efficient and Reliable Recording
● 2 Bay Removable HDD Tray, Max. 6TB
● External eSATA Interface
● Full HD Local Display
● Standalone Desktop NVR Design
● Dual Gigabit Ethernet Ports
● USB Port* 4
● Compact Size: 315 mm (W) X 220 mm (D) X 75 mm (H)

Software
● Easy Installation and Configuration
  (Shepherd/Setup Wizard)
● VAST Inside (LiveClient/Playback)
● Real-time 8-CH Live View & 4-CH Synchronous Playback
● SVC/H.264, MPEG-4 and MJPEG
● Multiple Recording Types & Event Trigger Sources
● Multiple Video Search Modes
● E-map
● Supported by VAST Central Management Software
● Full Integration with VIVOTEK Network Cameras
● VIVOTEK iViewer Support (iOS/Android)

Retail

Factoy

Technical Specifications

System

CPU: Dual-core Intel® Atom™
RAM: 2GB DDRIII
Embedded OS: Windows 7

Channels

8-CH

Storage

2 x removable 3.5" SATA I/II HDD, up to 6TB
1 x external eSATA interface
RAID 0, 1

Connectors

2 x Gigabit, RJ45
4 x USB 2.0
1 x RS232

Camera Compatibility

Full Integration with VIVOTEK Network Cameras

Easy Setup

"Setup Wizard" for Network/HDD/Camera easy setup

Networking

IPv4, TCP/IP, HTTP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, DNS, DDNS
2 x Ethernet Gigabit ports

Recording

Throughput: Max. 96 Mbps
Recording Policy: Scheduled recording (event/continuous modes), manual recording
Video Compression: SVC/H.264/MJPEG/MPEG-4
Resolution: Up to 5-Megapixel recording
Format: 3GPP
Auto Recycling: Buffer size setting, time setting
Activity Adaptive Recording

Export

Format: AVI/3GPP/EXE

Local LiveClient

Display Layout: 1X1/2X2/3X3/4X4/5X5/1+5/1+12/1+31
E-Map
Snapshot
PiP
Display Performance:
MPEG-4: 2 streams 30 fps @ 1080p; 12 streams 30 fps @ CIF
H.264: 1 stream 30 fps @ 1080p; 7 streams 30 fps @ CIF
Auto Patrol (Display Layout)
Pan/Tilt/Zoom control of VIVOTEK cameras
Instant event notification
Instant Replay: 20 sec., 30 sec., 1 min., 5 min., 15 min.
Full HD local display by VGA connector

Local Playback

Display Layout: 1X1/2X2/3X3/4X4/1+5/1+12
Playback Mode: Play, Pause, Stop, Next/Frame, Next/Previous Time Interval, Speed Control
Search Mode: Browsing/Time/Event
Bookmark

Event/Action Management

Trigger Source: Motion, Temperature, Tampering, DI/O, IR, PIR, IVA, Video lost, Recording error, Recording status, Substation connection status, Storage connection status, Storage capacity status, License status, Network status & memory status
Actions: Email, Start recording, Move to the preset position, Set DO, GSM short message & Send CGI command

Security

5 levels of user roles
Multi-level user access with password protection

Backup

Manual/Scheduled backup

Mobile APP Support

VIVOTEK iViewer (iOS/Android)

Dimension

315 mm (W) x 220 mm (D) x 75 mm (H)

Weight

Net: 2270 g (without HHD)

LED Indicator

1 x Power Status
1 x HDD Status

Power Adapter

Input: AC 100-240 V, 50-60 Hz
Output: DC 12V 5A (60 W)
Power Consumption: Max. 31 W

Approvals

CE, FCC Class B, VCCI, C-Tick

Operating Environments

Temperature: 0°C ~ 40°C
Humidity: 20%~95% RH

Warranty

24 months

Language

English, French, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Japanese, Portuguese, Czech

Included Accessories

CD content: User's manual, quick installation guide, Installation Wizard 2, LiveClient, Playback
Others: Quick installation guide, warranty card, power adaptor

Application

Multi-site Chain Stores

Site 1

Site 2

Internet

VAST

Site 3

Dimensions

220 mm   315 mm   75 mm
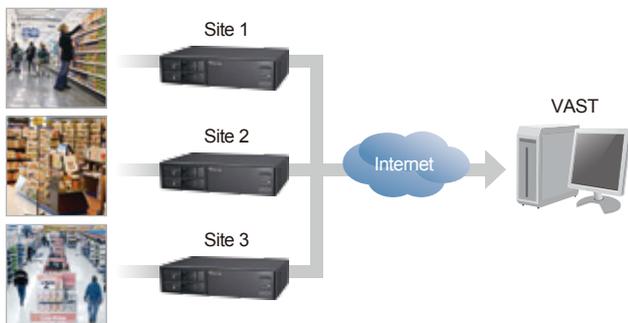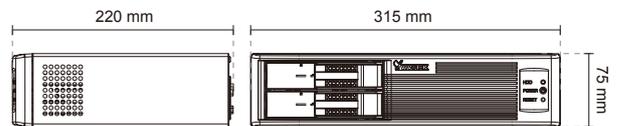
Part No.

	ND8301, USA	100086800G
	ND8301, EU	100086810G
	ND8301, UKB	100086820G
	ND8301, AUN	100086830G
	ND8301, MEXICO, USA	100086900G

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