



# Network Video Recorder ND8401



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

VIVOTEK ND8401 is a 16-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 0/1/5/10 is supported with four HDDs, with an external eSATA port for additional expansion. Like VIVOTEK NVR ND8301, a local display output port is 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 address, HDD to logical volumes, and basic camera configuration can easily be performed with the setup wizard, making the ND8401 the easiest NVR to use yet. When connecting ND8401 to more than one of the same model of VIVOTEK camera, the "Shepherd" program can be used to duplicate the configuration to multiple cameras.

VIVOTEK's professional software VAST is installed in ND8401 with performance tuning, 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 Activity Adaptive Recording can be utilized to conserve bandwidth and optimize recording. A CMS server running VAST software can also directly control the ND8401, and compatibility with the iViewer application allows for remote access to the ND8401 on handheld devices. By integrating all of the components together using VIVOTEK's ND8401, 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, 5, 10 Storage Solution
- 4 Bay hot-swap HDD Tray, Max. 12TB
- External eSATA Interface
- Full HD Local Display
- Standalone Desktop NVR Design
- Dual Gigabit Ethernet Ports
- USB Port\* 4
- Size: 204mm (W) x 330mm (D) x 215mm (H)

### Software

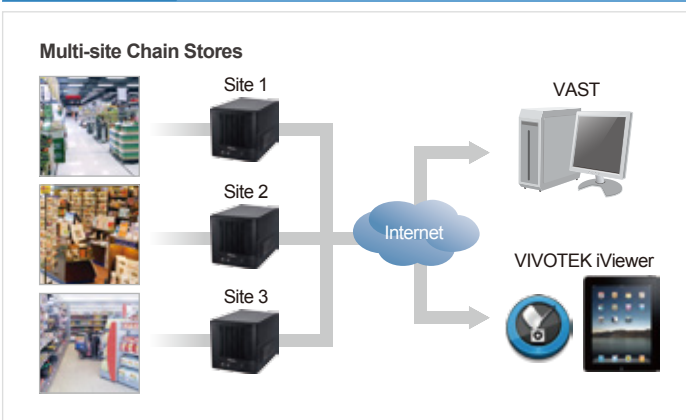
- Easy Installation and Configuration (Shepherd/Setup Wizard)
- VAST Inside (Live Client/Playback)
- Real-time 16-CH Live View & 4-CH Synchronous Playback
- H.264, MPEG-4 and MJPEG
- Multiple Recording Types & Event Trigger Sources
- Multiple Video Search Modes
- E-map
- Supported by VAST Central Management Software (VAST CMS support to be ready in Q1, 2013)
- Full Integration with VIVOTEK Network Cameras
- VIVOTEK iViewer support (iOS/Android)



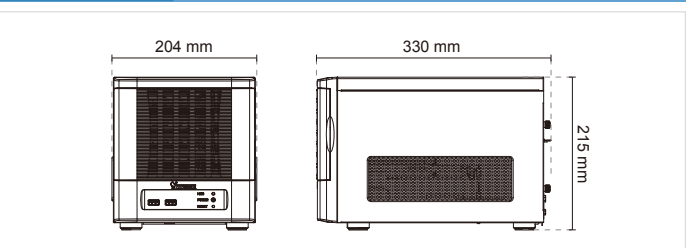
## Technical Specifications

<b>System</b> CPU: Dual-core Intel® Atom™ RAM: 2GB DDRIII OS: Windows 7 Embedded	<b>Local Playback</b> 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
<b>Channels</b> 16-CH selectable	<b>Event/Action Management</b> 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
<b>Storage</b> 4 x hot-swap 3.5" SATA III HDD, up to 12TB 1 x external eSATA interface RAID 0, 1, 5, 10	<b>Security</b> 5 levels of user roles Multi-level user access with password protection
<b>Connectors</b> 2 x RJ45, Gigabit 4 x USB 2.0 1 x RS232	<b>Backup</b> Manual/Scheduled backup
<b>Camera Compatibility</b> Full integration with VIVOTEK network cameras	<b>Mobile APP Support</b> VIVOTEK iViewer (iOS/Android)
<b>Easy Setup</b> "Setup Wizard" for network/HDD/camera easy setup	<b>Dimension</b> 204mm (W) x 330mm (D) x 215mm (H)
<b>Networking</b> IPv4, TCP/IP, HTTP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, DNS, DDNS 2 x Ethernet Gigabit ports	<b>Weight</b> Net: 5.24kg (without HDD)
<b>Recording</b> Throughput: max. 96 Mbps Recording Policy: scheduled recording (event/continuous modes), manual recording Video Compression: H.264/MPEG-4/MJPEG Resolution: up to 5-Megapixel recording Format: 3GPP Auto Recycling: buffer size setting, time setting Activity adaptive recording	<b>LED Indicator</b> 1 x Power status 1 x HDD status
<b>Export</b> Format: AVI/3GPP/EXE	<b>Power</b> Input: AC 100-240 V, 50-60 Hz Power Consumption: max. 58W
<b>Local LiveClient</b> Display Layout: 1X1/2X2/3X3/4X4/5X5/1+5/1+12/1+31 E-Map Snapshot PiP Display Performance: MPEG-4: 2 streams 30fps @ 1080p; 16 streams 30fps @ CIF H.264: 1 stream 30fps @ 1080p; 7 streams 30fps @ 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	<b>Approvals</b> CE, FCC Class B, VCCI, C-Tick
	<b>Operating Environments</b> Temperature: 0°C ~ 40°C Humidity: 20%~95% RH
	<b>Warranty</b> 24 months
	<b>Language</b> English, French, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Japanese, Portuguese, Czech
	<b>Included Accessories</b> CD Content: user's manual, quick installation guide, installation wizard 2, LiveClient (Remote), Playback (Remote) Others: quick installation guide, warranty card, power cord

## Application



## Dimensions



## Part No.

ND8401, USA	100091100G	ND8401, UKB	100091130G
ND8401, AUN	100091110G	ND8401, Mexico	100091200G
ND8401, EU	100091120G		

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