



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

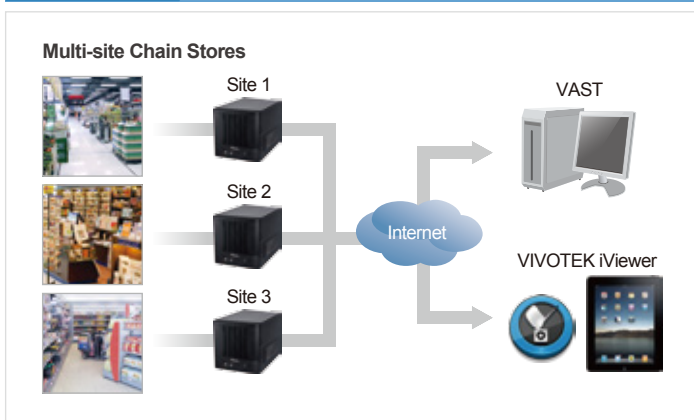
- Easy Installation and Configuration (Shepherd/Setup Wizard)
- VAST Inside (Live Client/Playback)
- Real-time 16-CH Live View & 4-CH Synchronous Playback
- H.264, MPEG-4 and MJPEG
- Multiple Recording Types & Event Trigger Sources
- Multiple Video Search Modes
- E-map
- Supported by VAST Central Management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



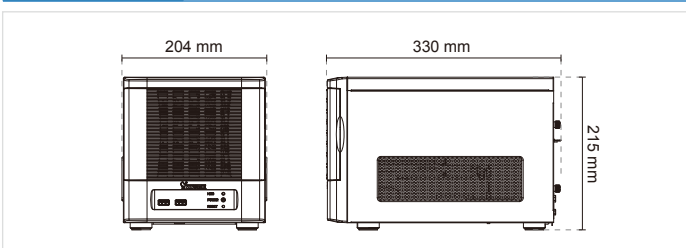
Technical Specifications

System	Local Playback
CPU: Dual-core Intel® Atom™	Display Layout: 1x1/2x2/3x3/4x4/1+5/1+12
RAM: 2GB DDRIII	Playback Mode: play, pause, stop, next/frame, next/previous time interval, speed control
OS: Windows 7 Embedded	Search Mode: browsing/time/event
Channels	Bookmark
16-CH selectable	Event/Action Management
Storage	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
4 x hot-swap 3.5" SATA III HDD, up to 12TB	Actions: email, start recording, move to the preset position, set DO, GSM short message & send CGI command
1 x external eSATA interface	Security
RAID 0, 1, 5, 10	5 levels of user roles
Connectors	Multi-level user access with password protection
2 x RJ45, Gigabit	Backup
4 x USB 2.0	Manual/Scheduled backup
1 x RS232	Mobile APP Support
Camera Compatibility	VIVOTEK iViewer (iOS/Android)
Full integration with VIVOTEK network cameras	Dimension
Easy Setup	204mm (W) x 330mm (D) x 215mm (H)
"Setup Wizard" for network/HDD/camera easy setup	Weight
Networking	Net: 5.24kg (without HDD)
IPv4, TCP/IP, HTTP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, DNS, DDNS	LED Indicator
2 x Ethernet Gigabit ports	1 x Power status
Recording	1 x HDD status
Throughput: max. 96 Mbps	Power
Recording Policy: scheduled recording (event/continuous modes), manual recording	Input: AC 100-240 V, 50-60 Hz
Video Compression: H.264/MPEG-4/MJPEG	Power Consumption: max. 58W
Resolution: up to 5-Megapixel recording	Approvals
Format: 3GPP	CE, FCC Class B, VCCI, C-Tick
Auto Recycling: buffer size setting, time setting	Operating Environments
Activity adaptive recording	Temperature: 0°C ~ 40°C
Export	Humidity: 20%~95% RH
Format: AVI/3GPP/EXE	Warranty
Local LiveClient	24 months
Display Layout: 1X1/2X2/3X3/4X4/5X5/1+5/1+12/1+31	Language
E-Map	English, French, German, Italian, Spanish, Traditional Chinese, Simplified Chinese, Japanese, Portuguese, Czech
Snapshot	Included Accessories
PIP	CD Content: user's manual, quick installation guide, installation wizard 2, LiveClient (Remote), Playback (Remote)
Display Performance:	Others: quick installation guide, warranty card, power cord
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	

Application



Dimensions



Part No.

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

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