VIVOTEK
BUILT WITH RELIABILITY

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 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

- Windows 7 Embedded
- Dual-Core Intel® Processor
- Standalone Desktop NVR Design
- Full HD Local Display
- RAID 0, 1, 5, 10 Storage Solution
- 4 x HDD Tray, Max. 12TB
- 2 x Gigabit RJ45 Ethernet Port
- 6 x USB Port
- External eSATA Interface
- Size: 204 mm (W) x 330 mm (D) x 215 mm (H)

Software

- Easy Installation and Configuration (Shepherd/Setup Wizard)
- VAST Inside (LiveClient/Playback)
- 16-CH Live View & 1-CH 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
- Full Integration with VIVOTEK Network Cameras
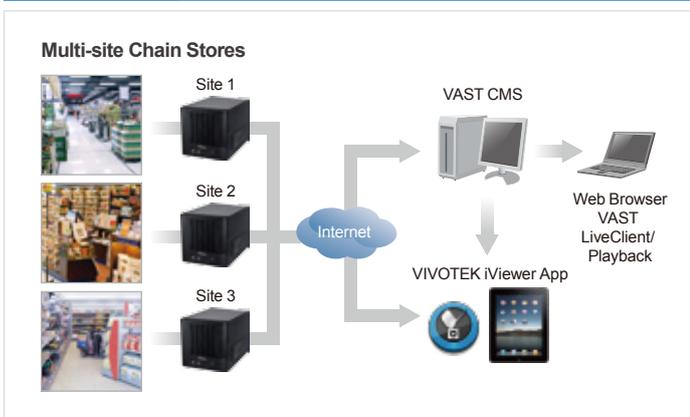- VIVOTEK iViewer Support (iOS/Android)

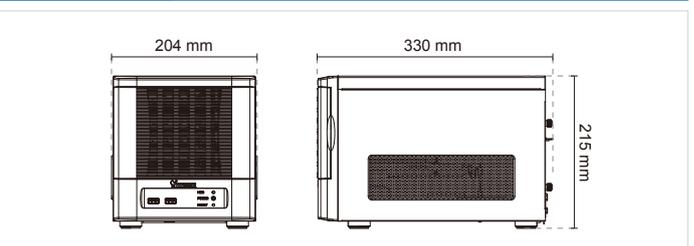*The VIVOTEK VAST Central Management Software is not included in the package.

Retail

Factory

System

CPU: Dual-core Intel® processor
RAM: 4GB DDRIII
OS: Windows 7 embedded

Channels

16-CH selectable

Storage

4 x 3.5" HDD, up to 12TB
4 x hot-swappable & lockable hard disk tray
HDD S.M.A.R.T.(Self-Monitoring Analysis and Reporting Technology)
RAID 0, 1, 5, 10
External eSATA storage

Connectors

1 x VGA for Full HD local display
2 x Gigabit RJ45 Ethernet port
6 x USB 2.0 port
1 x RS232
1 x eSATA
1 x MIC in and line in
1 x line out

Camera Compatibility

Full integration with VIVOTEK network cameras
Integration with ONVIF network cameras (by project)

Easy Setup

Setup Wizard for network/HDD/camera easy setup
IW2 for search internal camera
Shepherd for duplicating the camera's configuration to multiple cameras

Networking

IPv4, TCP/IP, HTTP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, DNS, DDNS

Recording

Throughput: max. 96 Mbps
Recording policy: scheduled (event/continuous modes) and manual recording
Video compression: H.264/MJPEG/MPEG-4
Audio compression: AMR/G.711/AAC
Resolution: Up to 5-Megapixel recording
Format: 3GP
Auto recycling: buffer size setting, time setting
Activity adaptive recording

Export

Format: AVI/3GPP/EXE

Local LiveClient

Display layout: 1X1, 2X2, 3X3, 4X4, 1+5, 1+12
Rotate
Snapshot
Two way audio control
PiP video control
Stream selectable
Set DO control
Video enhancement
Pan/Tilt/Zoom control of VIVOTEK cameras
Preset location
Auto pan/patrol
Event popup windows
Instant event notification
Display performance:
MJPEG: 16-CH, 30 fps @ CIF
MPEG4: 16-CH, 30 fps @ CIF or 2-CH, 30 fps @ 1080P
H.264: 7-CH, 30 fps @ CIF or 1-CH, 30 fps @ 1080P
Auto stream size

Local Playback

Display layout: 1X1
Playback mode: play, pause, stop, next/frame, next/previous, speed control
Search mode: browsing, time, event, bookmark
Graphical timeline
Snapshot
Bookmark design
PiP video control
Video enhancement
Log viewer

Remote Liveview

Display layout: 1X1, 2X2, 3X3, 4X4, 1+5, 1+12
Snapshot
Pan/Tilt/Zoom control of VIVOTEK cameras
Simple camera and recording settings

Remote Playback

Display layout: 1X1
Playback mode: play, pause, stop, speed control
Search mode: browsing, event
Graphical timeline

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
Device buzzer notification (HDD/network)

Backup

Manual/scheduled backup

Mobile APP Support

VIVOTEK iViewer (iOS/Android)

Dimension

204 mm (W) x 330 mm (D) x 215 mm (H)

Weight

Net: 5.24 kg (without HHD)

LED Indicator

1 x Power status
1 x HDD status

Power

Input: AC 100-240 V, 50-60 Hz
Power consumption: max. 58 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 (remote), Playback (remote)
Others: quick installation guide, warranty card, power cord

Application

Multi-site Chain Stores

Site 1
Site 2
Site 3
Internet
VAST CMS
VIVOTEK iViewer App
Web Browser VAST LiveClient/ Playback

Dimensions

204 mm
330 mm
215 mm

Part No.

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

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