



# Network Video Recorder ND8301



VAST Inside • HD Local Display • Full Integration  
with Most 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 Processor with maximum recording throughput at a robust 96 Mbps. RAID 0/1 is supported with two HDDs, 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.

VIVOTEK's professional software VAST is installed in ND8301 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 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

- Windows 7 Embedded
- Dual-Core Intel® Processor
- Standalone Desktop NVR Design
- Full HD Local Display
- RAID 0, 1 Storage Solution
- 2 x HDD Tray, Max. 8TB
- 2 x Gigabit RJ45 Ethernet Port
- 4 x USB Port
- External eSATA Interface
- 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)
- 8-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 Most VIVOTEK Network Cameras
- VIVOTEK iViewer Support (iOS/Android)

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



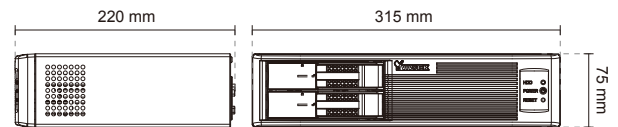
## Technical Specifications

<b>System</b> CPU: Dual-core Intel® processor RAM: 2GB DDRIII OS: Windows 7 embedded Power Restoration: System restart automatically after Power Recovery System Recovery: Recover operating system after restart every time	<b>Local Playback</b> 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
<b>Channels</b> 8-CH selectable	<b>Web Liveview</b> Display layout: 1X1, 2X2, 3X3, 4X4, 1+5, 1+12 Snapshot Pan/Tilt/Zoom control of VIVOTEK cameras Simple camera and recording settings
<b>Storage</b> 2 x 3.5" HDD, up to 8TB 2 x hot-swappable hard disk tray HDD S.M.A.R.T.(Self-Monitoring Analysis and Reporting Technology) RAID 0, 1 External eSATA storage	<b>Web Playback</b> Display layout: 1X1 Playback mode: play, pause, stop, speed control Search mode: browsing, event Graphical timeline
<b>Connectors</b> 1 x VGA for Full HD local display 2 x Gigabit RJ45 Ethernet port 4 x USB 2.0 port 1 x RS232 1 x eSATA 1 x MIC in and line in 1 x line out	<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>Camera Compatibility</b> Full integration with most VIVOTEK network cameras Integration with ONVIF network cameras (ONVIF version 2.2 compatible)	<b>Security</b> 5 levels of user roles Multi-level user access with password protection Device buzzer notification (HDD/network)
<b>Easy Setup</b> Setup Wizard for network/HDD/camera easy setup IW2 for search internal camera Shepherd for duplicating the camera's configuration to multiple cameras	<b>Backup</b> Manual/scheduled backup
<b>Networking</b> IPv4, TCP/IP, HTTP, RTSP/RTP/RTCP, IGMP, SMTP, DHCP, NTP, DNS, DDNS	<b>Mobile APP Support</b> VIVOTEK iViewer (iOS/Android)
<b>Recording</b> 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/G.726/AAC Resolution: Up to 5-Megapixel recording Format: 3GP Auto recycling: buffer size setting, time setting Activity adaptive recording	<b>Dimension</b> 315 mm (W) X 220 mm (D) X 75 mm (H)
<b>Export</b> Format: AVI/3GPP/EXE	<b>Weight</b> Net: 2.27 kg (without HDD)
<b>Local LiveClient</b> 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	<b>LED Indicator</b> 1 x power status 1 x HDD status
	<b>Power Adapter</b> Input: AC 100-240 V, 50-60 Hz Output: DC 12V 5A (60 W) Power consumption: Max. 31 W
	<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 (Web), Playback (Web) Others: quick installation guide, warranty card, power adaptor, power cord

## Application



## Dimensions



## Part No.

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

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