

## VIGIL™ NDVR IP Video Recorder

The NDVR Series is a highly versatile, full-featured, advanced IP video system allowing the management of video, audio and data across a single or multiple networks.

The NDVR IP management solution works seamlessly with the newest IP megapixel, 180-degree & 360-degree Super HD panoramic formats, as well as top-down 360-degree with built-in dewarping of video.

### EXTENDED ENTERPRISE CAPABLE

The NDVR allows you to distribute recording units across multiple networks allowing a conservation of bandwidth for recording, yet allows seamless access to all live and stored video, audio, data and system features from anywhere on any network.

Cameras, audio and data can be configured as logical sites, as well as logical groups, allowing quick and easy access to preset views even in very large deployments.

### ADVANCED COMPRESSION FEATURES

3xLOGIC's proprietary Aztech codec has been specifically developed and optimized for security video and high-efficiency remote streaming for IP cameras and is offered as an alternative to the IP cameras native compression.

IP cameras can be recorded and streamed using either the native compression provided by the camera or our proprietary Aztech™ recompression for hard drive space savings of up to 90% while maintaining visual accuracy.

### MULTI-SCREEN APPLICATIONS & CONTROL

The NDVR provides a wide variety of multiple monitor options both on the server (NDVR) and the remote client workstations. Multi-screen operation allows configurable live display of multiple cameras on multiple screens to meet the requirements of many different applications.

Remote client software running on proper hardware can be used to create a multiple monitor viewing environment with multiplexed screen display and spot monitor call-up..

VIGIL server and remote software may also utilize a Pelco™ KBD-300 (or compatible keyboard) or our virtual keyboard for instant camera call-up.

Remote client workstations may be located on any network and may connect to all VIGIL DVR Series concurrently allowing the NDVR to be utilized alongside hybrid units.

### REAL-TIME TOTAL INTEGRATION

The NDVR Series fully integrates with a wide variety of systems including Point-Of-Sale, ATM, Access Control, Caller ID and nearly any other data generated at the site. Real-time data can be used to manage events, perform detailed exception reporting or send notifications to any responsible party.



### EXTENSIVE ADDITIONAL FEATURES

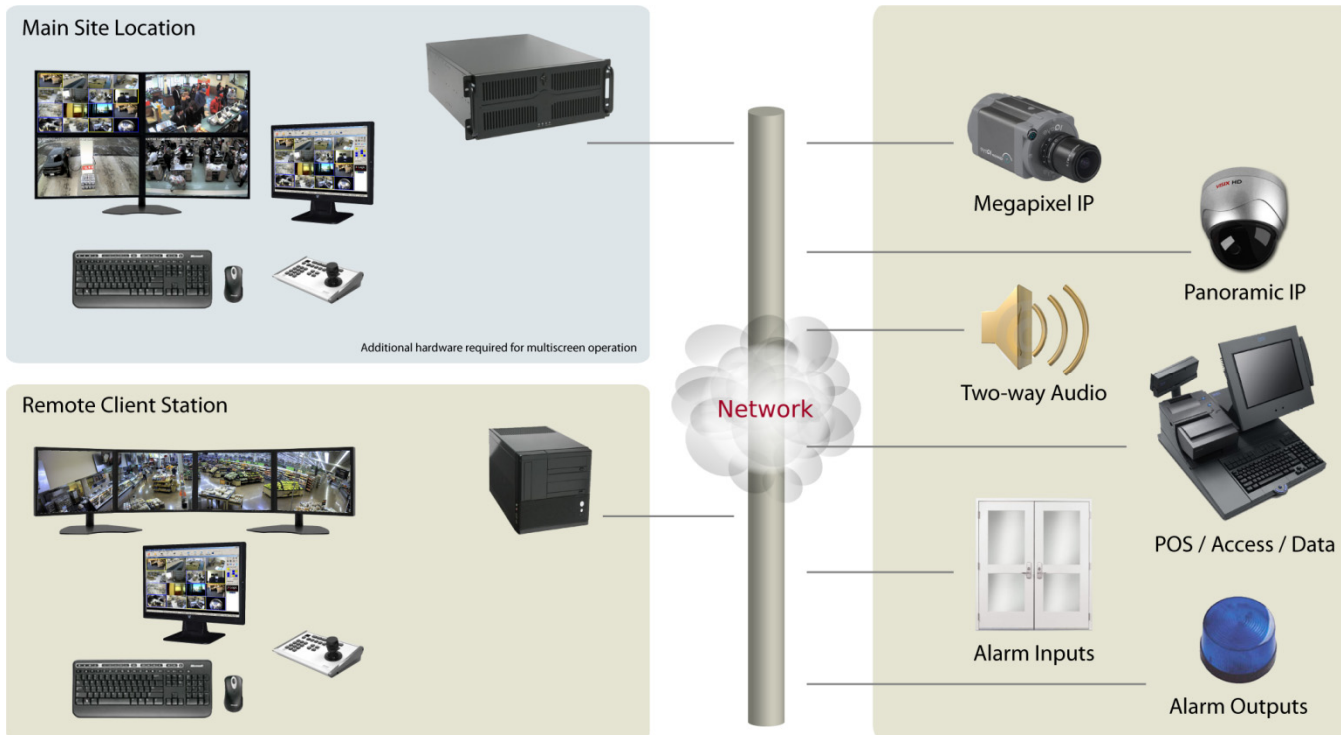
The NDVR features many built-in capabilities including full two-way audio, fast smart search, and advanced video analytics including people counting. Additional capabilities may be added simply by upgrading various software packages through licensing.

### KEY FEATURES AND BENEFITS

- Versatile—Compatible with all VIGIL™ brand solutions
- Mix and match the NDVR with PRO and DRX for complete coverage of legacy sites
- Up to 32 channels of IP video per field unit
- Supports all new HD, Super HD and 180/360 panoramic and immersive video formats
- Recompression of IP video using Aztech™ technology (approx 1/10 of original size)
- One audio channel for each video input
- Up to 10 TB internal storage with a variety of RAID options
- POS database integration with most POS brands
- Supports Pelco™ KBD300 & Microsoft™ compatible keyboards (local & remote)
- Multi-screen multiplexed & spot monitor support (local & remote)

# TECHNICAL SPECIFICATION

## VIGIL™ Series Solutions | NDVR Series - IP Video Recorder



<b>MODELS</b>	NDVR-4/8/16/32
<b>VIDEO INPUTS</b>	4/8/16/32 per field unit
<b>IMAGE QUALITY &amp; RESOLUTION</b>	
Frame Rate	30 NTSC / 25 PAL FPS per camera Camera Dependant
IP Resolution	All Standard Resolutions / Megapixel / HD Megapixel / Super HD Megapixel / Other
IP Video Formats	Standard 3:4, 16:9, 180 & 360-degree horizontal, 360-degree top-down & others
<b>COMPRESSION &amp; PROTOCOLS</b>	
IP Cameras	Native from camera or Aztech™ advanced
IP Dual Stream	Supported
IP Protocols	TCP/IP, UDP/IP, HTTP, FTP, SMTP, DHCP, DNS, DDNS, NTP, SNMP, RTP, RTCP, PPPoE
<b>RECORD MODE</b>	Motion, Alarm, Audio, Analytics, Other
<b>AUDIO (per field unit)</b>	
Onboard	2 Audio In / 1 Audio Out
Via Camera	1 Audio In / 1 Audio Out (per camera)
<b>ELECTRICAL</b>	
Voltage	110V/60Hz 220V/50Hz
Power Req.	540 Watts Max Peak
<b>OPERATING SYSTEM</b>	
Software	Windows XP Embedded
Physical OS Drive	Dedicated (250 GB typical)
<b>WARRANTY</b>	1 Year (unless otherwise noted)
<b>HARDWARE</b>	
Video Storage	500 GB – 10 TB Internal
Processor	Dual Core / Quad Core Model Dependant 1000 MB RAM (min.) 256 MB Graphics Card (min.)

<b>PHYSICAL</b>	
Temperature	10°C - 35°C / 50°F - 95°F
Humidity	20-80% non-condensing
Weight (lbs/kg with 250GB OS / 500GB Data)	
Commercial Case	50lbs / 22.68 kg
Tower Case	25 lbs / 11.34 kg
Cube Case	30 lbs / 13.61 kg
Wall Mount	45 lbs / 20.41 kg

- COMPATIBLE OPTIONS**
- VIGIL Remote Client (VRC)
  - VIGIL EasyView - Touch screen interface / Simple client
  - VIGIL Gatekeeper (VGK) - Matrix switch integration
  - VIGIL HD Viewer - Virtual Matrix Switch
  - VIGIL Fileserver (VFS) - SAN Managed Ext. Video Storage
  - VIGIL Central Management (VCM) - Enterprise central management of users/health/updates/more
  - VIGIL POS/ATM/Data Integration
  - VIGIL Exception Reporting (VPOS) - Real-time data reporting
  - VIGIL Video Analytics (VAS)
  - VIGIL Health Monitor & Reporting
  - Multiplexed Monitor Outputs (local & remote)
  - KBD & Compatible Key/Joy (local & remote)
  - Caller ID / Call log data interface
  - 2-way Audio speaker-microphone
  - ADAM IP-based alarm inputs / relay outputs