



VioGate-100 IP Surveillance Server

Your Best Choice Of Distributed IP Surveillance



Full Function Web-based Surveillance.

Excellent Monitoring And Recorded Video on the LAN
With a VioGate-100 IP surveillance server, slow-action live video and delayed DVR recorded images are things of the past. Since the VioGate-100 is designed to fit into the existing IP network, the video compression and multicast technology inside allows users to be free of network bandwidth issues while still delivering excellent monitoring and recording video capabilities.

Flexible Storage Management
Thanks to the distributed IP surveillance architecture, VioGate-100 frees you from the chains of traditional storage brought to you by DVR. Traditional DVR storage limitation issues simply disappear, as an administrator can assign any storage device to store video distributed by any individual VioGate-100. Users can decide the appropriate storage size of the device based on individual requirements. Users can also choose to manage the recorded video in one single location or in multiple locations, providing the ultimate in flexibility.

Additional Security via Configurable User Right Management
The VioGate-100 allows administrators to fully configure surveillance on viewing channels, playback channels and PTZ camera control, as well as configure the settings for each individual user.

Central Surveillance Management Support For Multiple Servers
The optional VioGate Master application can operate the central surveillance management and can be operated from anywhere on the network. With the distributed surveillance system architecture offered by the VioGate-100, there is no sacrifice on the fundamental requirements of a surveillance system where security is paramount.

Once VioGate Master is fully installed, the application will automatically detect all the VioGate-100 units within the network. The administrator can use this application to configure the system settings of all servers rather than setting each server up individually. Additionally, each supervisor can use this tool to select the desired monitoring camera(s) without worrying about which server the camera is connected to.

Benefits

Quick And Easy System Integration
The VioGate-100 allows you to expand your traditional surveillance system, existing IP network, and other digital storage devices (any storage device - such as a general file server or Network Attached Storage (NAS) - can be assigned to store your video files) to install a complete, up-and-running digital environment.

Convenience Of System Expansion
Escape the problems of cabling and issues of where to place devices - distributed IP surveillance architecture offers you the perfect solution. Flexibility, scalability and expandability are all key elements in the VioGate-100 system, and to enlarge the surveillance area, all that is required is to connect additional VioGate-100 units. In essence, wherever your IP network is, so is your surveillance system.

Omnipresent Operation via IE Browser
Access various kinds of surveillance functions can be easily accessed via an IE browser (VioGate-100 does not support use of any other browser at present), as well as complete system configuration and management.

VioGate-100 offers an array of advanced features to ensure total convenience. Unlike DVR devices that only offer a few web functions, the VioGate-100 actually allows users to do manage the complete surveillance system on a web interface. Just a few clicks on the configuration page, and the administrator can redirect the recorded video to another location should the original storage be temporarily full. A web playback function allows remote viewing of recorded video images, no matter where he/she may be.

Ordering Information

- VioGate-100 :**
IP Surveillance Server
- VioGate Master 401:**
IP Surveillance Central Management Application
(Support 4 pcs of VioGate-100)
- VioGate Master 801:**
IP Surveillance Central Management Application
(Support 8 pcs of VioGate-100)

VioGate Master - IP Surveillance Central Management Application

Features

Multiple Server Auto Detection

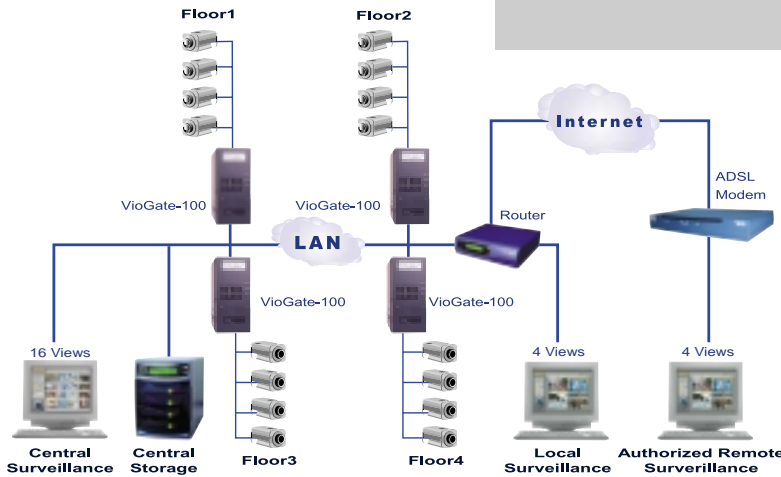
Using the VioGate Master, any IP surveillance administrator can easily detect all servers within the same network and manually include other servers outside the network into the same management scope.

Central Configuration For Multiple Server

Should the administrator need to configure various parameters across all servers, VioGate Master can save time by universally setting the updated configuration to all servers within the system. The administrator can now update firmware, set up server time, add or delete a user, alter network and camera settings, assign video recording locations across all IP surveillance servers under management control effortlessly and much more besides.

Configurable Viewing Page Of Selected Cameras

Supervisors can pick up images from any camera within any IP surveillance server to configure a personal viewing page on demand. With this feature, specific group monitoring in any surveillance environment is on call at the click of a mouse. Users can set up a group viewing page including any camera highlighting the same scenario. For example, cash counters, warehouse doors and network operation centers are just some of the places a supervisor where might need a group view.



Distributed IP Surveillance System Architecture

System Features

- IP digital surveillance (Plug & Watch - over any TCP/IP network)
- High quality live and recorded video performance over LAN
- Connections for up to 4 cameras
- Pan/Tilt/Zoom camera support
- Maximum 30 second video buffer for pre-alarm images per channel
- Quick initial system configuration through standard internet browser
- Automatic software upgrade

Technical Specification

Video Input

- 4 channel BNC composite video input
- NTSC/PAL auto sensing

Video Resolution

- Up to 640x480

Web-based Multiple Video Monitoring Mode

- Single Channel
- Multiple Channel
- Sequential Mode
- Picture-In-Picture Mode
- Full Screen Mode

Multiple Video Recording Mode

- Continuous Recording
- Scheduling Recording
- Event-triggered Recording

Web-based Video Playback

- Time-based video search
- Multiple playback speed (normal speed, fast speed up to x 16, slow speed up to 1/16)
- Web-based manual snapshot

Video Compression

- Motion JPEG and JPEG

Video Distribution

- Multicast support

Video Storage

- Support remote storage including NAS/Window File Server/Linux File Server/UNIX File Server/FTP Server

Motion Detection

- Multiple detection area and adjustable sensitivity level
- Pre/Post video recording setting for motion triggered recording mode

Web-based Control

- Internet explorer with Active-X support
- Web-based system management
 - System setting
 - Network setting
 - Security setting
 - User management
 - Camera setting
 - Recording/Snapshot setting
 - Event handling
 - Statistics and logs
 - System tool for software maintenance and update

Pre Alarm Buffer

- Up to 30 seconds video buffer for pre alarm image storage each channel

Security

- User level password protection
- Configurable user surveillance right on viewing channels, playback channels, PTZ camera control and configuration setting

Comprehensive Event Handling Matrix

- Event Type
 - Motion detection
 - Video input loss
 - Network fail
 - System fail
 - Storage full
 - General alert input (1 to 4)
- Event Action Type
 - Recording
 - Snapshot
 - Email
 - Voice alert
 - General alert output

Networking

- 10/100 Base-T Ethernet
- DHCP client support
- HTTP,TCP/IP,SMTP,FTP
- PPPOE/DDNS support

Serial Port

- One RS232 for system debugging
- One RS485 for P/T/Z camera control

General I/O

- 4 alarm inputs; 4 alarm outputs

System Recovery

- Auto system operation recovery after power loss recovery

Complementary Software

- VioGate Finder - for finding multiple VioGate-100 units within the LAN automatically and assigning the IP address manually or automatically by DHCP
- VioGate Viewer - client application for the retrieval of recorded video directly from the storage source

Operation Conditions

- Temperature: 5~50°C (40~125°F)
- Humidity: 20~80% RHG

Power Source

- 100~240V AC, 50~60Hz

Metrics

- Height: 200mm
- Width: 90mm
- Length: 214.6mm
- Weight: 3Kg