

HD IP Surveillance Software



The Comprehensive IP Surveillance Systems for Megapixel Camera

Overview

GVD's HD IP Surveillance Software demonstrates its commitment to the next generation of IP surveillance systems as well as the integration needs for the enterprise customers. HD IP Surveillance Software offers a total solution with the best ownership cost that supports multiple Megapixel cameras, which greatly simplify the complexity of the security systems operation.

Features

Highly Scalable Architecture in a Seamless Transition – HD IP Surveillance Software is the first 100% network based design for IP camera, NVR, Backup/Redundant Server to Integration Server and Gateway not bounded by LAN, WAN or even Firewall. Its flexible design gives users the freedom to start their projects from small to large or to bridge existing legacy analog systems to high speed IP based systems without re-cabling or added extra cost. Users can easily add any product lines systems based on their budget or requirements incrementally without rebuilding the system.

Easy Operation for Peace of Mind – GVD understands easy operation is the key to shorten the security response time which is extremely critical for today's enterprise users. HD IP Surveillance Software provides the intuitive functions and flow combined with the professional joystick keyboard control, shortening response time. It is also equipped with many useful self-diagnostic tools that run automatically and periodically, maintaining the surveillance system at its best operating condition.

Enterprise Class IP Surveillance Architecture - HD IP Surveillance Software is the leader in the areas of: system reliability, data redundancy and user accessibility. With its enhanced and robust systems architecture, HD IP Surveillance Software helps enterprise customers not only by speed up surveillance Up-Time, but also by lower the cost of the systems maintenance. HD IP Surveillance Software continues to extend and support its unique design which provides an optimization of the network, HDD, CPU utilization, making it an ideal platform for deploying enterprise class IP surveillance systems.

Specification of HD NVR & CMS WorkStation

Operations

Live view and Playback

- Supports up to 64 megapixel cameras per NVR
- Real time video display for multiple megapixel cameras
- Unique Time Sector based Engine to provide the best video performance
- ROI (Region of Interest) function allows independent viewing in a viewer
- Supports Instant video playback by clicking any place on the Time Slider's time bar
- Supports Multiple NVRs Synchronized playback
- Supports frame by frame . various speed playback function
- Three speed selections on frame rate control to optimize network bandwidth



Advanced Layout

- Multiple ready-made layouts and the option to save your own layouts
- Supports up to 64 windows layout

MAP

- Supports web-based map for easy navigation between maps and camera groups

Scheduling

- Multiple schedule rules defined by users
- Customized schedule rules applied in normal recording, motion recording, alarm rules, and alarm recording

Search and Export

- Multiple searching ways of historical video clips satisfy different searching needs
- Supports Missing object/ Foreign object search function in playback video
- Selected clips & pictures can be exported to spooler for preview or post-handling
- Easy video export function with DVD, flash or USB/network-based HDD

Alarm Handling

- Multiple alarm rules defined by user cameras
- Various alarm rules applied in general cameras and sub channels
- Alarm rule wizard makes creation of alarm rules more easily
- Three alarm modes for more flexible alarm handling
- Instant playback of recorded alarm video clips from the alarm list
- Supports customized pattern display on alarm pop-up
- Compound alarm search (by status, priority, trigger time, completed time, and alarm rule name)
- Appended alarm instructions & comments for following procedures
- Supports Email notification by alarms



Event Handling

- Event list with system events(e.g. disk fail), user events (e.g. logon failure), and device events (e.g. camera motion)
- Compound event search (by system, user, and/or camera)
- Searching result can be exported and viewed in a worksheet application

User Interface

- Keyboard to select cameras to any monitor in either live or playback mode
- Easy & various tour configuration defined by users
- Intuitive device icons and status on the device tree
- Direct control in DI/DO from device tree & map
- Symbol color in the time slider defined by users for better appearance
- Various hot-key support for quick operation
- Instant image play by drag and drop from device tree and maps

PTZ

- Control PTZ Function with 4 axis joystick keyboard
- Virtual PTZ function allows a fixed megapixel camera to pan, tilt, and zoom in/out the image
- Easy & Intuitive on-screen operation for PTZ cameras

Setup and Management

- Supports Multi-user management
- Supports DNS to easy exercise NVR

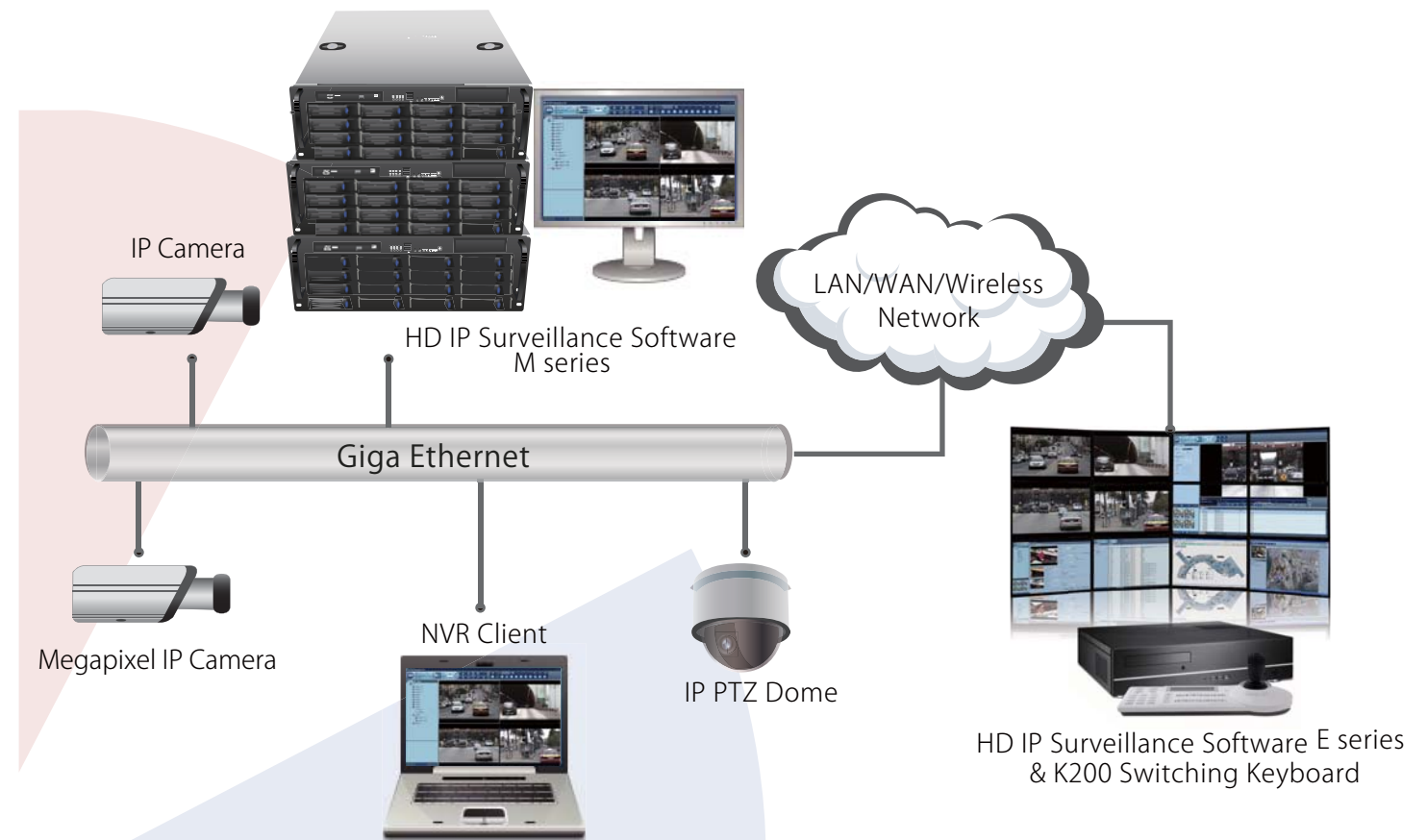
Configuration

- Automatic discovery of IP devices
- Customized device tree and detailed device settings
- Hierarchical map tree structure & configuration
- Complete OSD (On Screen Display) configuration including user-defined color modification
- Support multi-codec including MPEG4, MJPEG, and H.264
- State-of-art 'Volume' management in video storage
- Provide advance HDD management and operation application with user-friendly interface
- Easily remove & replace HDD



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System Diagram



Specification

Model No.	S100-M series	S100-E series	S200-M series	S200-E series
Prebuilt Camera License	1,4,8, 16,32	16,32,64, Unlimited	1,4,8, 16,32	16,32,64, Unlimited
Monitor Support	1	1	2	2
License Control	USB Dongle	USB Dongle	USB Dongle	USB Dongle
Video Operation	Live/Record/Playback	Live/Playback	Live/Record/Playback	Live/Playback