GVD redefines the enterprise NVR systems for multiple megapixel cameras with advanced technology that combines high recorded data availability, exceptional reliability, scalable data storage and intuitive operations.

Support Multiple Megapixel Cameras

GVD M Series HD NVR System is a powerful recording system with high-speed data through-put architecture, which handles tremendous amount of video streams from multiple megapixel cameras and regular IP cameras.

High Scalability

M Series HD NVR System supports End-to-End network structure to achieve large scale IP based video surveillance systems for enterprise needs. Supporting dual-Giga high speed network, GVD M Series NVR system is the perfect recording System for large data throughout. Thanks to the stackable design, it is easy to scale up the systems to more than 100TB storage. By adapting GVD C Series Integration Gateway platforms, M Series NVR Systems can easily integrate with many well known security manufacturers' systems, such as Access Control Systems, Intrusion Alarm, Video Switcher that minimizes cost and systems complexity.
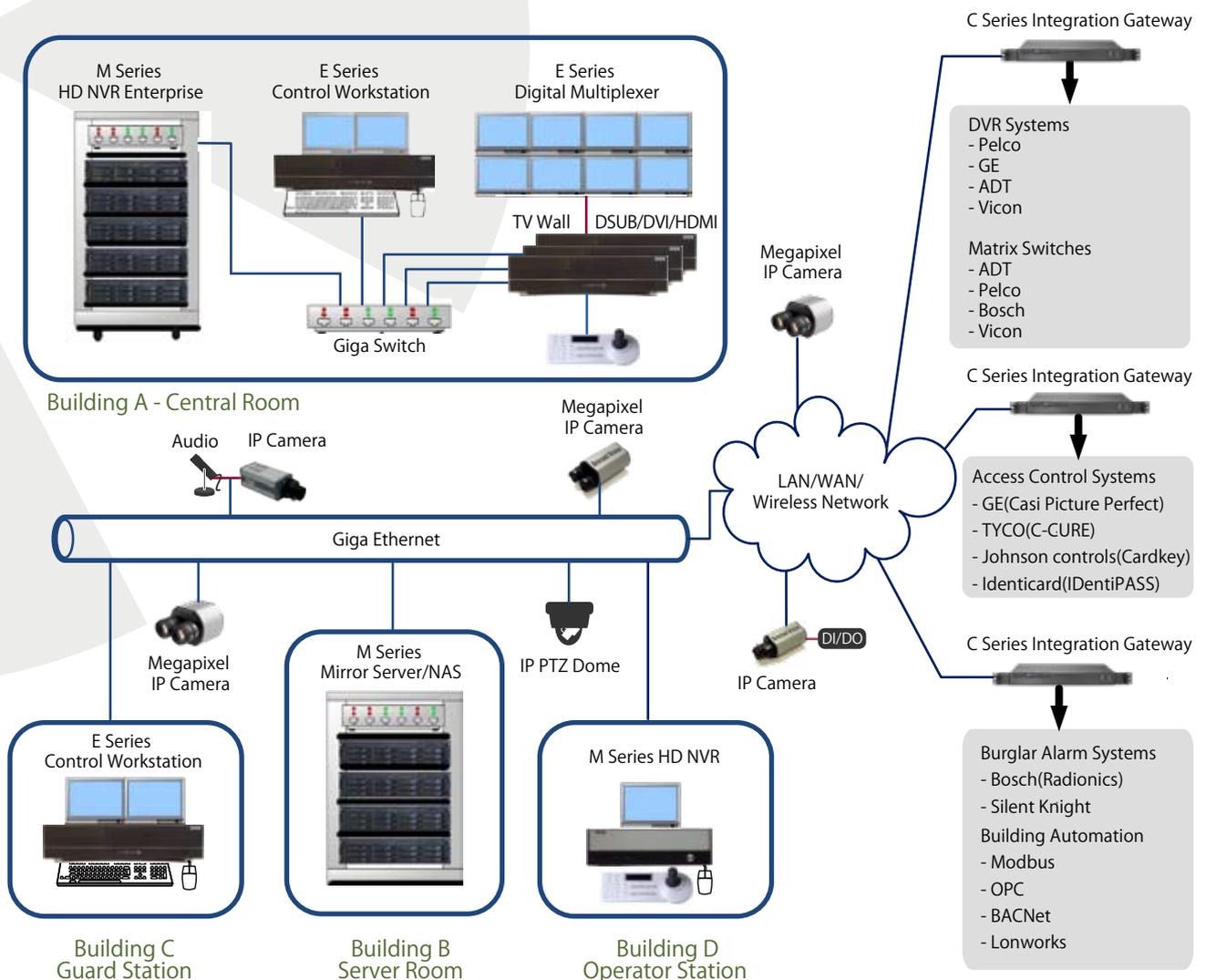
HD NVR Enterprise
Scalable Megapixel Solution Supports
Large Data Throughput
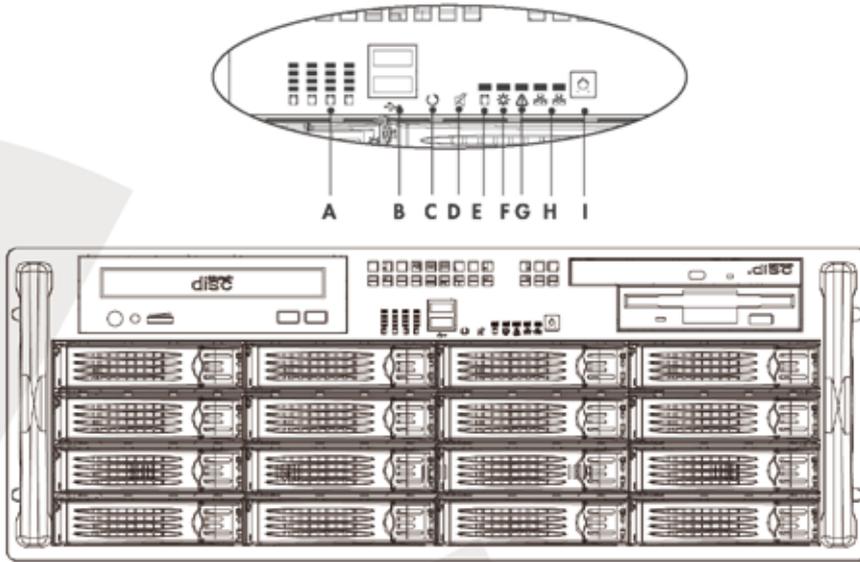
Key Features

- Supports up to 64 cameras
- Supports large data throughput for multiple megapixel cameras
- Simultaneous high frame rate recording on multiple megapixel cameras
- Rack mountable server class hardware with two year full product warranty
- Redundant power supply and exhaust fan on high end models
- Complete choice of the storage size from 1U to 4U boxes (up to 16TB)
- Hot swappable HDD for effortless maintenance
- Unique Time Sector-based Engine to provide the best video performance
- Easy video export function with DVD, flash or USB/networked based HDD
- Complete fail-over solution provided by the redundant server
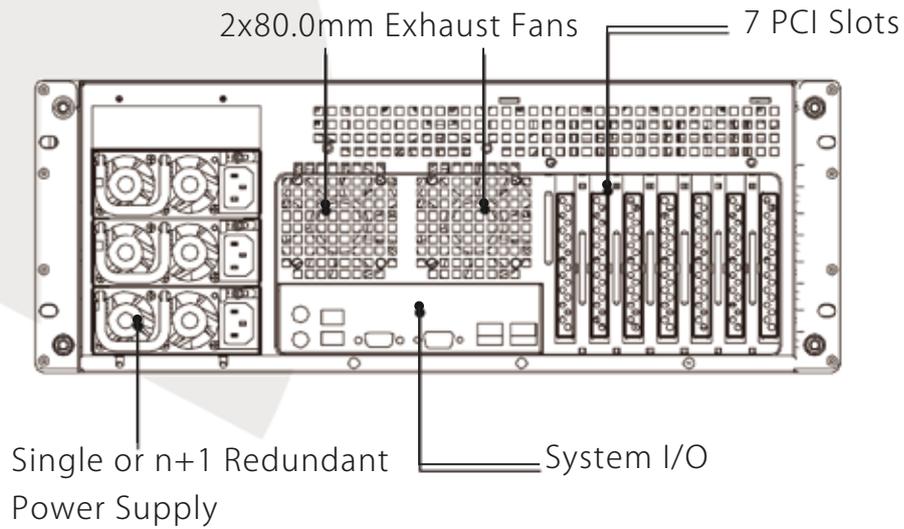
System Diagram

Building A - Central Room

M Series HD NVR Enterprise
E Series Control Workstation
E Series Digital Multiplexer
TV Wall | DSUB/DVI/HDMI
Giga Switch

C Series Integration Gateway

DVR Systems
- Pelco
- GE
- ADT
- Vicon

Matrix Switches
- ADT
- Pelco
- Bosch
- Vicon

Megapixel IP Camera

C Series Integration Gateway

Audio IP Camera
Megapixel IP Camera
Giga Ethernet

LAN/WAN/ Wireless Network

Access Control Systems
- GE(Casi Picture Perfect)
- TYCO(C-CURE)
- Johnson controls(Cardkey)
- Identicard(IDentiPASS)

Megapixel IP Camera
M Series Mirror Server/NAS
IP PTZ Dome
DI/DO
IP Camera

C Series Integration Gateway

E Series Control Workstation
M Series HD NVR

Burglar Alarm Systems
- Bosch(Radionics)
- Silent Knight
Building Automation
- Modbus
- OPC
- BACNet
- Lonworks

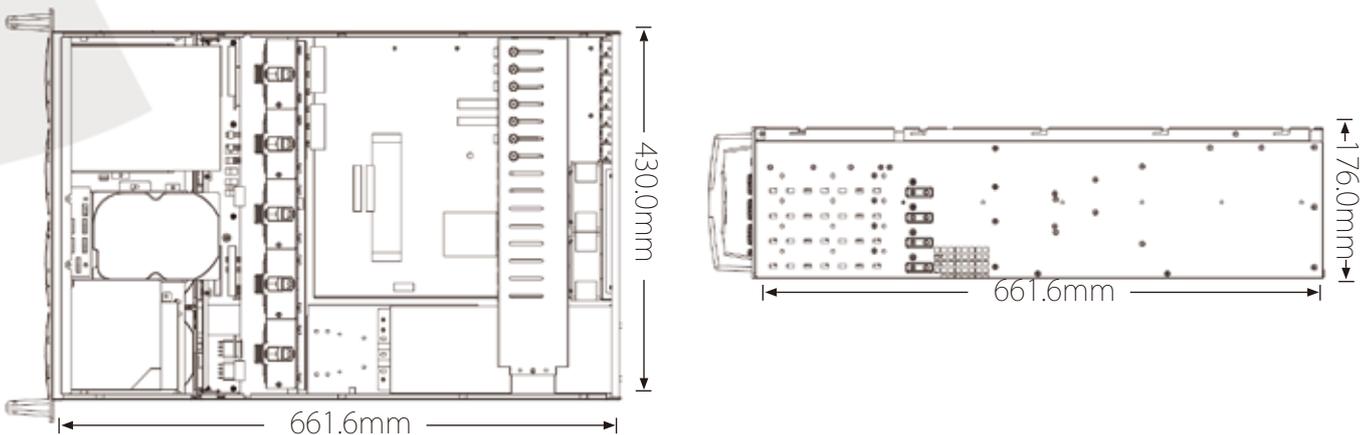**Building C Guard Station**   **Building B Server Room**   **Building D Operator Station**

Front Panel Layout

A - HDD Tray Activity LED
B - USB 2.0 Port
C - System Reset Button
D - Alarm Mute Button
E - System HDD Activity LED
F - Power LED
G - Failure LED
H - LAN1 & LAN2 LED
 I - Power Switch

Rear Panel Layout

2x80.0mm Exhaust Fans

7 PCI Slots

Single or n+1 Redundant Power Supply

System I/O

Dimensions

430.0mm

661.6mm

176.0mm

661.6mm

Model	M610	M620
CPU	Intel Core 2 Quad Q6600(2.4 G)	Intel Core 2 Quad Q6600(2.4 G)
Memory	2048MB	2048MB
Storage	M610-0750: 2.2 TB M610-1000: 3.0 TB	M620-0750: 6.0 TB M620-1000: 8.0 TB
Hot Swap HD Tray	3	8
HD Type	SATA2	SATA2
Image Resolution Support	CIF/ 2CIF/ D1/ 1.3M~8M	CIF/ 2CIF/ D1/ 1.3M~8M
IP Inputs Support	Up to 32	Up to 32
Ethernet Port	1000Mb/s x 1	1000Mb/s x 1
Display Port	D-SUB x 1	D-SUB x 1
DVD Writer	Slim DVD-/+RW	Slim DVD-/+RW
RAID Level	N/A	0, 1, 5, 0+1
Form Factor	1U	2U
Operating System	Windows XP	Windows XP
Power Supply	Single Power Supply/400W	Redundant Power Supply/500W 2 x 500W, independent switching
Dimension	16.9"(W) X 22.4"(D) X 1.7"(H)	16.9"(W) X 26.0"(D) X 3.5"(H)

Model	M630	M640
CPU	Intel Core 2 Quad Q9300(2.5 G)	Intel Core 2 Quad Q9300(2.5 G)
Memory	4096MB	4096MB
Storage	M630-0750: 9.0 TB M630-1000: 12.0 TB	M640-0750: 12.0 TB M640-1000: 16.0 TB
Hot Swap HD Tray	12	16
HD Type	SATA2	SATA2
Image Resolution Support	CIF/ 2CIF/ D1/ 1.3M~8M	CIF/ 2CIF/ D1/ 1.3M~8M
IP Inputs Support	Up to 48	Up to 64
Ethernet Port	1000Mb/s x 1	1000Mb/s x 1
Display Port	DVI x 2	DVI x 2
DVD Writer	Slim DVD-/+RW	Slim DVD-/+RW
RAID Level	0, 1, 5, 0+1	0, 1, 5, 0+1
Form Factor	3U	4U
Operating System	Windows XP	Windows XP
Power Supply	Redundant Power Supply/650W 3 x 350W, independent switching	Redundant Power Supply/760W 3 x 420W, independent switching
Dimension	16.9"(W) X 26.0"(D) X 5.2"(H)	16.9"(W) X 26.0"(D) X 6.9"(H)