M900 Series Failover Server
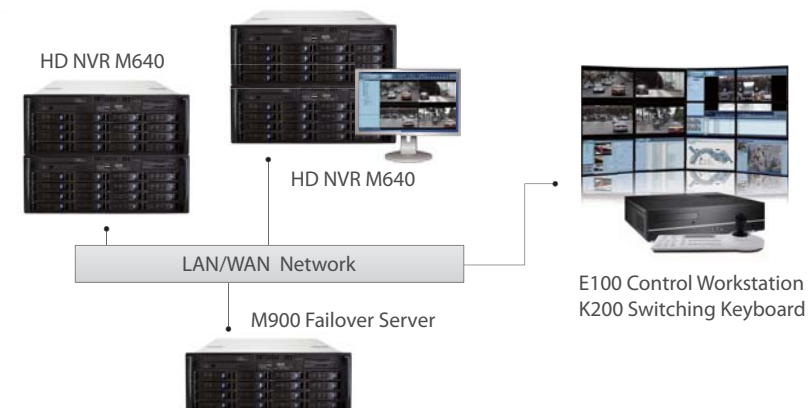
GVD M900 is a reliable and scalable redundant solution to provide highest availability for the video system which offers unmatched performance against any failure in the primary NVR or the camera network. It is the ideal solution for high availability and disaster recovery and best N+1 solution for Megapixel system.

1 Robust industrial hardware design for 24 x 7 operations

2 Highly scalable and effective consolidation

3 Failover Architecture for Mission Critical Applications

Key Feature

- Prebuilt 64 channel licenses and best for large scale D1, 1.3M to 10M camera installations

- Supports large data throughput for multiple megapixel cameras and triplex video functions

- High performance RAID card supports the unique Time Sector Engine for best video read-write performance on hard disk drives

- Per-channel selection design to maximize flexibility in storage consolidation for hundreds of IP cameras from any HD NVR systems

- Server class rack-mountable chassis

- Redundant switching power supply and dual-Giga high speed network ports

System Diagram

HD NVR M640

HD NVR M640

LAN/WAN Network

M900 Failover Server

E100 Control Workstation
K200 Switching Keyboard

Camera Support List

AASSET security | ACTi Connecting Vision | ADT Security | APPRO | Arecont Vision megapixel technology... beyond imagination | AXIS COMMUNICATIONS

BOSCH | Brickcom | CNB TECHNOLOGY Inc. | CP PLUS enhancing vision | CSP TECHNOLOGY | DYNACOLOR always watching

ETROVISION | FlexWATCH Seyeon Tech Co., Ltd. | GE | HIKVISION | HUNT | iCANTEK

iMege High-D Video | IQinVision | LILIN | MESSOA | MOBOTIX | Panasonic

PELCO | PiXORD | PLANET Networking & Communication | PROBE | SAMSUNG | SANYO

SONY | StarDot Technologies | TOSHIBA | VIVOTEK | ZAVIO

Onvif Driving network video through global standardization

Storage Capability

Model	Channel	Compression	Resolution	FPS	7	10	15	30
M940	32	H.264	1.3M	Day	38	28	21	11
	64	MPEG4	D1		50	37	26	14
	64	H.264	1.3M		19	14	10	5
	32+32	MPEG4 / H.264	D1 / 3.0M		16	12	8	

Noted: M940 based on 16 HDD trays of 1.5 TB each
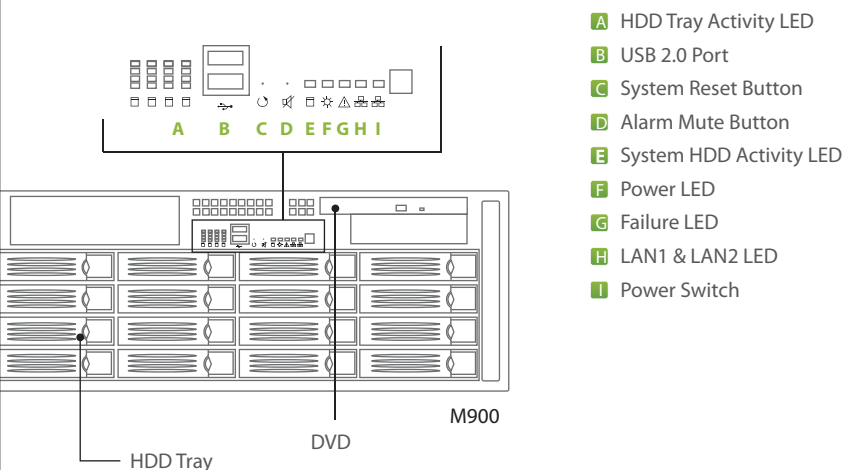
Vertical Market

Government complex, city surveillance, casino, transportation, and homeland security projects.
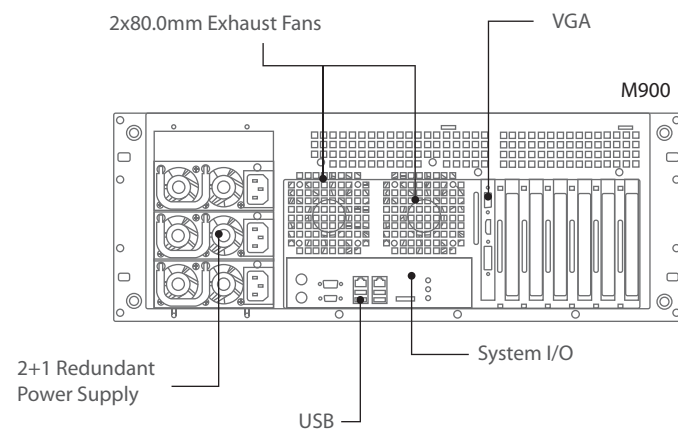
Redundant Server

Best Redundant and Failover Solutions for Megapixel system

M900 Series

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

A   B   C D E F G H I

M900

HDD Tray

DVD

Rear Panel Layout

2x80.0mm Exhaust Fans

VGA

M900

2+1 Redundant Power Supply

USB

System I/O

Hardware Specification

Model No	M930	M940
Processor	Intel Core 2 Quad Q9400	
Memory	DDR3-1333 4G	
Operation System	Windows XP Embedded OS	
Hard Disk Drive (Hot Swappable)	12	16
RAID Level	RAID 0, 1, 5, 6	
Prebuilt License	48	64
Megapixel Recording	D1, 1.3M~10M	
Data Port	Giga LAN	
Display Mode	Up to 64 camera layout	
LAN Port	Gigabit x 1	
USB Port	Front x 2 Rear x 4	
Dimensions (DxWxH) mm	660 x 430 x 132	660 x 430 x 176
Power Consumption	360W	420W
Power Supply	600W,(1+1) Redundant	800W,(2+1) Redundant
Voltage	100~240VAC(50~60Hz)	
Remote Access	E100 / E200 / HD NVR Client / Web Client / PDA Client	

*All specifications are subject to change without notice

GVD

Genius Vision Digital