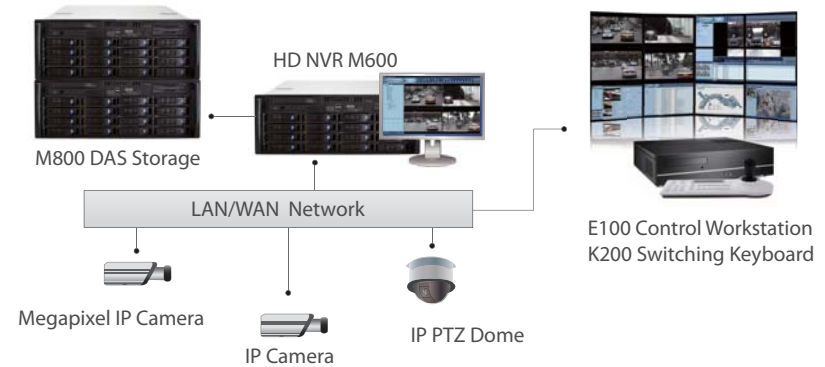


# M800/M600 Series

## DAS Storage & Network Video Recorder



### System Diagram



GVD M600 is a powerful video surveillance system that scales easily to suit the needs of enterprise solution. It is a top-of-line GVD NVRs with redundant components to provide high availability. This rack-mountable recorder can scale to more than 100 TB video storage. It is the best solution for mission critical applications such as government complex, city surveillance, casino, transportation, and homeland security projects.

- 1 Enterprise class server chassis
- 2 High performance RAID level recorder
- 3 Supports up to 48 megapixel cameras (64 D1 Cameras)

### Key Feature

- Pre-built with 32, 48 and 64 channels licenses, best for large scale D1, 1.3M to 10M camera installations
- Supports large data throughput for multiple megapixel cameras triplex video functions
- Provides the unique Time Sector Engine (TSE) for best video read-write performance on hard disk drives (HDDs)
- Server class rack-mountable chassis
- Supports highly scalable and redundant solutions by using the GVD M800 Backup Server and M900 Failover Server
- Supports powerful GVD CMS workstation E100 for complete remote management on a large NVR network
- Redundant power supply and hot swappable HDD with RAID support
- Operates with GVD HD NVR Client to meet the needs of simple remote monitoring
- New generation of storage expansion built on top of the robust industry server class IPC for the long-hour and tough operation environment

### Storage Capability

Model	Channel	Compression	Resolution	FPS	7	10	15	30
M620	24	MPEG4	D1	Day	66	50	35	19
	24	H.264	1.3M		25	19	13	7
	32	H.264	3.0M		9	7	5	
	16+16	MPEG4 / H.264	D1 / 1.3 M		27	21	15	8
M640	32	H.264	1.3M		38	28	21	11
	64	MPEG4	D1		50	37	26	14
M830	64	H.264	1.3M		19	14	10	5
	32+32	MPEG4 / H.264	D1 / 3.0M		16	12	8	

Noted: M620 based on 8 HDD trays of 1.5 TB each / M640 based on 16 HDD trays of 1.5 TB each / M840 based on 24 HDD trays of 1.5 TB each

### Camera Support List

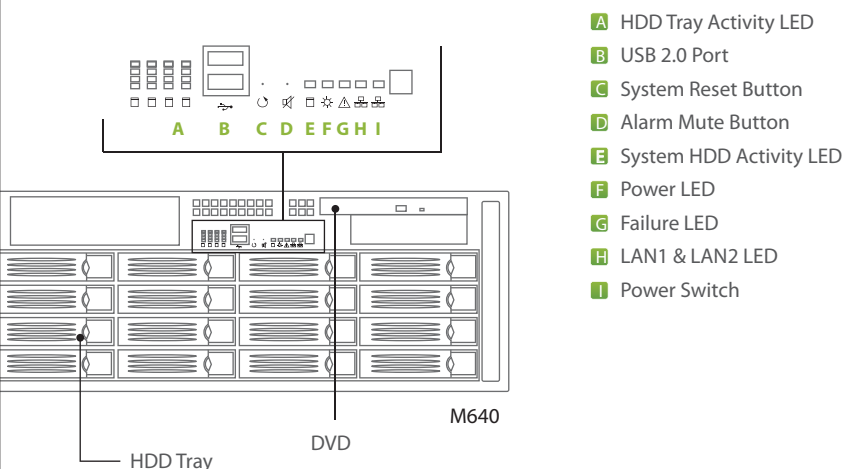




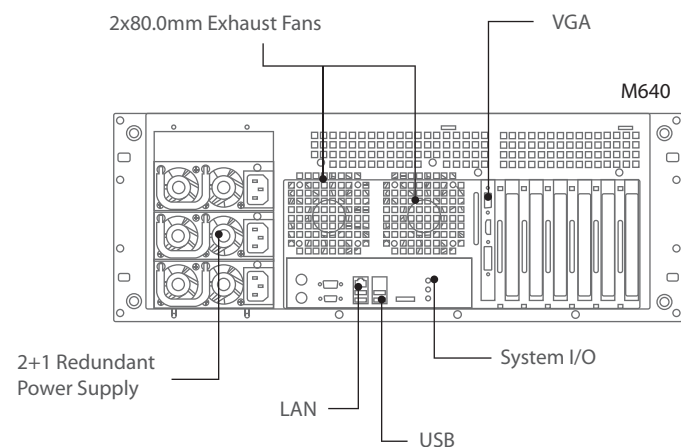
### Vertical Market

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

### Front Panel Layout



### Rear Panel Layout



### Hardware Specification

Model No	M610	M620	M630	M640
Processor	Intel Xeon 3220 2.4G	Intel Core2 Quad Q8400	Intel Core2 Quad Q9400	Intel Core2 Quad Q9400
Memory	DDR2-800 4G	DDR3-1333 4G	DDR3-1333 4G	DDR3-1333 4G
Operation System	Windows XP Embedded OS			
Hard Disk Drive (Hot Swappable)	4	8	12	16
RAID Level	N/A	RAID 0,1,5,6	RAID 0,1,5,6	RAID 0,1,5,6
IP Camera License	32	32	48	64
Megapixel Recording	D1,1.3M~10M			
Display Port	1	1 (2: Optional)	1 (2: Optional)	1 (2: Optional)
LAN Port	Gigabit x 2			
USB Port	Front x 1 Rear x 2	Front x 2 Rear x 4	Front x 2 Rear x 4	Front x 2 Rear x 4
Dimensions (DxWxH) mm	569 x 430 x 43.5	660 x 430 x 88	660 x 430 x 132	660 x 430 x 176
Power Supply	350W, Single	600W,(1+1) Redundant	600W,(1+1) Redundant	860W,(1+1) Redundant
Voltage	100~240VAC(50~60Hz)			
Remote Access	E100 / E200 / HD NVR Client / Web Client / PDA Client			

Model No	M830	M840
Hard Disk Drive (Hot Swappable)	16	24
RAID Level	RAID 0, 1, 5, 6 (Optional)	
Megapixel Recording	D1, 1.3~10M	
Data Port	SAS JBOD	
Dimensions (DxWxH) mm	660 x 430 x 132	660 x 430 x 176
Power Supply	760W, (1+1) Redundant	760W, (2+1) Redundant
Voltage	100~240VAC(50~60Hz)	
Remote Access	E100 / E200 / HD NVR Client / Web Client / PDA Client	

## HD NVR Enterprise

Enterprise recording solution with unprecedented performance

### M800 / M600 Series



Genius Vision Digital

\*All specifications are subject to change without notice