



## M3 Standalone NVR

Prebuilt 12/ 16/ 24ch IP Camera Licenses with up to 4 HDDs  
Featuring Embedded Windows 7 and POS Software



24ch Full HD  
Real-time Recording  
(Max. 192Mb)



13ch Full HD  
Real-time Display  
on Dual Monitors



Total 16TB with 4HDDs,  
Supports 4TB Disk Drive,  
Hard Disk Tray Design



On-board  
Hardware  
Watchdog



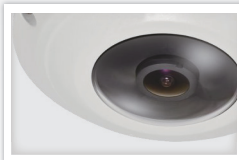


# GVD M3004

## Standalone NVR

GVD M3004, standalone NVR, is a turnkey product with embedded Windows 7 and POS software, that's suitable for mid-sized installations, including government buildings, offices, factories, campuses, hotels, banks, retail chain stores, shopping malls, etc.. It's reliable and flexible to scale up projects with VMS Platform (300~5000ch) or CMS Platform (64~300ch) to suit your needs.

### Key Feature



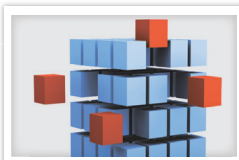
#### Support Onvif Profile S & Onvif 2.2

Supports 90+ brands of IP cameras and 2000+ models.  
GVD offers better and more flexible PTZ control than ONVIF.  
GVD advanced Motion Detection integration surpasses ONVIF.



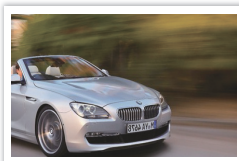
#### Scale up Projects with VMS/CMS

GVD M3004 NVRs are suitable for VMS platform (300~5000ch) or CMS platform (64~300ch) to scale up the projects to meet your needs.



#### HD Empowerment

GVD unique software has advanced features such as MVP, ROI, Turbo Mode Plus, etc. that offers high performance video recording and display.



#### Smooth Video with Exclusive Video Playout Control

Built-in Exclusive Video Playout Control technology that enables smooth video and limiting of video quality degradation for different situations like uniform Camera Time Stamp, Unstable Network Conditions.



#### IVA Functions and POS Integration

GVD POS editor integrates with all different POS machines via GVD POS Box, that's suitable for retail chain stores. The GVD software also combines with IVA functions such as MVP, e-fences, missing object, foreign object for more analyses.



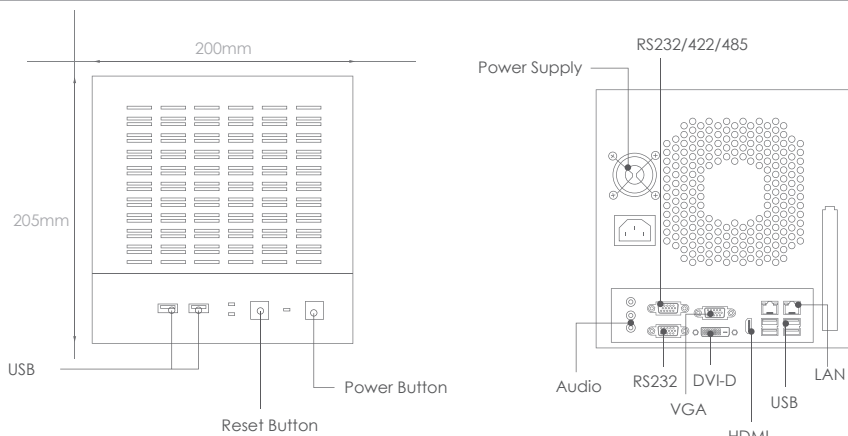
#### Powerful Alarm Management

Alarm notification by Pop-up, E-mail, DI/DO (Modbus Support) when video loss, sensor triggered, HDD crashed, system crashed, abnormal transaction, e-fence, video motion detection, etc.

## System Diagram



## Dimensions





## Specification

Product		M3004
System	Item	Standalone NVR
	CPU	Intel® Core™ i3-3220 Processor
	Memory	DDR3-1333 4G
	Operation System (OS)	Windows 7 Embedded
	Network Protocols	TCP/IP ,UDP, HTTP, HTTPS, SMTP,SNMPv3, DNS, DHCP, NTP, ARP, ICMP, FTPc, FTPs, DDNS, RTP (RTCP, RTSP), IGMPv3, UPnP, CIFS, NFS, IEC802.1x
	Language	English, Spanish, French, Dutch, Italian, Japanese, Chinese, etc.
	Watchdog	Supports Hardware Watchdog, Software Watchdog
	System Update	Supports NVR Software Update
Video & Recording	IP Camera License	12ch, 16ch, 24ch
	Display Performance	D1@1080fps / 1.3MP@540fps / 2MP@325fps (Turbo Mode - Real Time)
	Recording Throughput	Max.192Mb
	Recording Resolution	D1, 1.3~20 Megapixel
	Video Codec	H.264 High Profile, MPEG4, M-JPEG, MxPEG
	Audio Codec	Two-Way Audio, G. 711, G.726, AAC
	Streaming Type	Unicasting, Multicasting
	Onvif Supports	Onvif 2.2, Profile-S
	Recording Capacity	16 TB (4x HDDs)
Software		
Setting	Configurations	Configurations of NVR, Camera, Event, Alarm, Device, DI/DO, etc.
	User Authority	Export Video Clip, PTZ Control, Live View, Playback, Alarm Search, Configuration, Remote System Control, etc.
	Recording Mode	Full Time Recording, Recording by Schedule, Event, Alarm, Motion Detection
E-map	E-map	Mapping Cameras and DI/DO Points, Map Hyperlink
PTZ	PTZ Control	PTZ Control, Preset Point, Patrol, Digital PTZ
Live View	Display Pattern	1, 2, 3, 4, 5, 6, 8, 9, 12, 13, 16, 18, 24, 25, 36, 48, 64
	Viewing Operation	ROI (Region of Interest), Tour
Playback	Video Search	Time, Event, Alarm
	Synchronous Playback	up to 16ch
	Video Playback	Time Slider Control Panel (Forward, Backward, Speed Control, Sync. Playback)
	Video Export	Video Export via USB (Supports .avi and .ava Format), Digital Watermark
IVA	Intelligent Search	Missing Object, Foreign Object
	Intelligent Video Analytics	E-fence, Video Motion Detection
Event	Event Log	Event logs of System, Cameras, User, etc.
Alarm	Alarm Event / Search	Video Loss, Sensor Triggered, HDD Crashed, System Crashed, Abnormal Transaction, E-fence, Video Motion Detection
	Alarm Notification	Pop-up, E-mail, DI/DO, Trigger Recording
	Alarm In / Alarm Out	DI/DO Control, Modbus (Master, Slave)
Remote Client	Web Client	Support Browser IE 8.0
	APP Client	iOS (iPhone, iPad), Android
	VMS/CMS Client	VMS(E300), CMS(E150), Thin Client(E90 - Window XP/7/8)
	Supports Client Numbers	5
POS	POS License	8ch
	POS Integration	Integration with all brands via GVD POS Editor
	Transaction Viewing	Live Viewing with Transaction data
	Search / Playback	Time, Item (Keyword), Price with Transaction data and Video
	Abnormal Transaction	Alarm Rule (Item, Value), Alarm Popup, Alarm Search
Hardware		
Network	Lan Port	Gigabit Lan (RJ45) x2
	Ethernet	10/100/1000M Auto Negotiation
Display	Local Display	VGAx1, HDMIx1, DVI-Dx1 (Support Two Video Outputs Simultaneously)
	Local Display Resolution	1920x1200
Storage	Hard Disk Drive	SATA
	Hard Disk Trays (Bays)	4 pcs
	Storage Capacity	4 TB
Port	USB Port	USB 2.0 Front x2, Rear x4
	Communication Port	RS232 x1 ; RS232/485/422 x1
Power	Power Voltage	100~240 Vac, 50-60 Hz
	Power Consumption	150W
Environment	Operation Temperature	0°C ~ 40°C (32°F ~ 104°F)
	Storage Temperature	-10°C ~ 80°C (14°F ~ 176°F)
	Operation Humidity	0% ~ 90%
	Storage Humidity	5% ~ 90%
Appearance	Dimensions	200(W)x205(H)x320(D)mm
	Net Weight	5.86 Kg
	Chassis	Chassis: SECC, Front Panel: ABS
Expansion	Keyboard	K205
	POS Box	A0003-POS (RS-232)

\*All specifications are subject to change without notice