

# GVD E90

## CMS Lite

Free-of-charge

Simplified version of GVD **HD CMS** (Central Management Software)

Supports up to 64 channels on 3 NVRs

GVD **E90** is a PC thin client that manages up to 64 channels on maximum 3 NVRs. It is a simplified version of GVD's **HD CMS** to deliver basic video live-view and playback, with some advanced features though, which includes 16-channel synchronous playback, multicast, tour, ROI, VCA, e-map and alarm notification. With friendly GUI and simple settings, GVD **E90** is easy-to-use and suitable for small business.

- Supports Windows XP, Windows 7, Windows 8
- Quick and easy video retrieval in **Alarm Mode**
- Advanced alarm pop-up in **Display Mode**
- POS transaction data live-view, retrieval, and exportation.





# Key Features

## Free-of-charge

**E90** comes free-of-charge to deliver basic “central management” of your video channels. It manages 64 channels on 3 NVRs for you!

## Optimized video display

The software comes with some advanced features including **Adaptive Video Streams**, ROI, pattern speeds, and so on to deliver high-performance video display.

## 64-channel support

GVD **E90** can handle 64 channels on different models of GVD NVRs, whether **True Enterprise NVRs**, **Mini Enterprise NVRs**, or **Standalone NVRs**.

## VCA and POS supports

Via a “POS box”, GVD **E90** supports all types of cash-registers. Such an ability is further integrated with such VCA functions as VMD, E-fences, missing object search, foreign object search, and people counting to help you with sales analysis. The software is particularly suitable for small retail-chains.

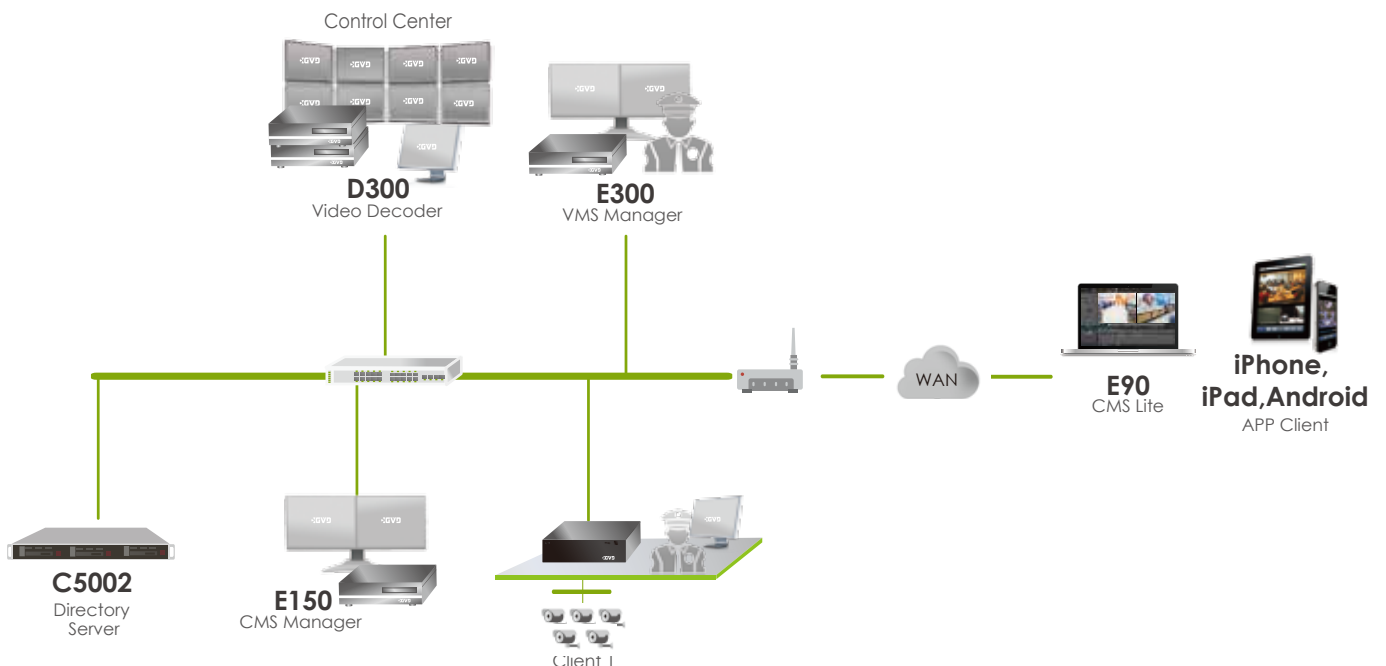
## Powerful alarm management

The software pops up alarm notifications in case of video loss, sensor trigger, HDD crash, system crash, abnormal transaction, VMD/E-Fence events, etc.

## Fluent video streams with unique *Playout Control*

The software has adopted “dynamic buffer size” to deliver **Playout Control** to allow smooth video especially in poor network conditions.

# System Architecture



# Specification

Software		E 90
System	Item	CMS Lite (PC Thin Client)
	System Update	Supports Software Update
	Language	English, Spanish, French, Dutch, Italian, Japanese, Chinese, etc.
Video	Display Performance	na (Support Monitor x1)
	Video Codec	H.264 High Profile, MPEG4, M-JPEG, MxPEG
	Audio Codec	Two-Way Audio, G. 711, G.726, AAC
	Streaming Type	Unicasting, Multicasting
E-map	E-map	Map Setting from NVR
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
VCA	Intelligent Search	Missing Object, Foreign Object
	Video Content Analysis	E-fence, Video Motion Detection, People Counting
Alarm	Alarm Event / Search	Video Loss, Sensor Triggered, HDD Crashed, System Crashed, Abnormal Transaction, E-fence, Video Motion Detection
	Alarm Notification	Pop-up
	Alarm In / Alarm Out	Alarm Status Display
POS	Live View	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
System Requirements		
	CPU	Intel® Core™ i3 Processor 3.3GHz or above
	Memory	4096 MB at least
	Operation System (OS)	Windows XP, Windows 7, Windows 8

\*All specifications are subject to change without notice