



# GVD *E90*

## PC thin client

- Free-of-charge
- A simplified version of GVD *Device & Alarm Manager* - **SW-E2200**
- Supporting up to 128 channels on 3 NVRs

GVD **E90** is a PC thin client that manages up to 128 channels on maximum 3 NVRs. It is a simplified version of GVD's "*Device & Alarm Manager*" **SW-E2200** to deliver basic video live-view and playback, with some advanced features, including 64-channel synchronous playback, multicast, tour, ROI, VCA, e-maps, and alarm notifications, though. With friendly GUI and simple settings, GVD **E90** is easy-to-use and suitable for small business.

- Supporting Windows® 7, 8.x or 10 (64-Bit)
- 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

The **E90** comes free-of-charge to deliver basic “central management” of your video channels. It manages up to 128 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.

## ■ 128-channel support

GVD **E90** can handle 128 channels on various models of GVD NVRs, whether **True Enterprise** NVRs, **Mini Enterprise** NVRs, or **Standalone** NVRs.

## ■ VCA & 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.

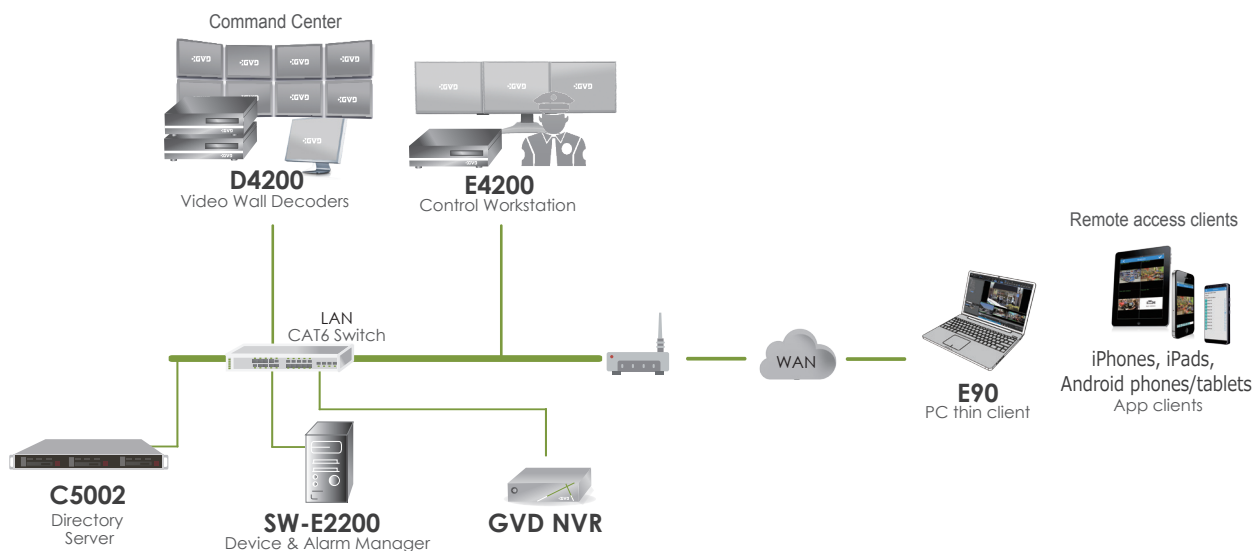
## ■ Powerful alarm management

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



# Specifications

Software		E90
Description		PC thin client
System	Update	By software installation
	Language	English, Spanish, French, Dutch, Italian, Japanese, Chinese, etc.
Video	Display performance	1 x monitor support
	Video codec	H.265, H.264, MPEG4, M-JPEG, MxPEG
	Audio codec	Two-way audio, G. 711, G.726, AAC
	Streaming type	Unicast & multicast
E-maps	"Composite" maps	"Composite" map settings from NVR
PTZ	PTZ controls	PTZ, preset points, patrol, digital PTZ
Live-view	Display patterns	1, 2, 3, 4, 5, 6, 8, 9, 12, 13, 16, 18, 24, 25, 36, 48, 64
	Viewing operations	ROI (Region of Interest), Tour
Playback	Video search	By time, event, alarm
	Synchronous playback	Up to 64 live video streams
	Video playback controls	Timeslider (Forward, backward, sync. playback, speed controls)
	Video export	Via USB (*.AVI and *.AVA support), digital watermark
VCA	Intelligent search	Search for missing objects and foreign objects
	Video content analysis	E-Fence, Video Motion Detection, people counting
Alarm	Alarm event / search	Video loss, sensor trigger, HDD crash, system crash, abnormal transaction, E-Fence, Video Motion Detection
	Alarm notification	Pop-ups
	Alarm in/out	Alarm status display
POS	Transaction data view	Live view
	Transaction data search/retrieval	Transaction data with associated video is retrievable by time, article name (keyword), and price
	Transaction alarm	By article name (alphabetic keywords), value (numeric keywords)
	Transaction alarm notification	Pop-ups

## System requirements

CPU	Intel® Core™ i3 Processor 3.3GHz or above
Memory	4096 MB at least
Operating System	Windows® 7, 8.x or 10 (64-Bit)

\*All specifications are subject to change without notice