DINA DVR Comp IP

DINA DVR Comp IP is an intelligent digital video and audio recorder/server that supports analog and network (IP) cameras simultaneously. The DINA DVR Comp IP Server is well suited for surveillance sites, where IP cameras are added to an existing CCTV system with analog cameras.

Synchronous recording of video and audio

DINA DVR Comp IP Server is a upgradeable, reliable, network accessible, and truly open PC-based video/audio recorder, that supports analog and IP cameras simultaneously. It also supports dome cameras, keyboard/ joystick controllers, video matrices and audio devices.

Local recording – remote operation

DINA DVR Comp IP Server eliminates the restrictions of physical distance as it can be accessed from virtually anywhere in the world over TCP/IP networks with the DINA Viewer/ Controller clients or with the DINA RMC (Remote Monitoring Center) system.

Efficient data retrieval

DINA DVR Comp IP features some of the most powerful search functions on the market today. Images can easily be retrieved for viewing using the intelligent search tools.

Simply mask areas with the motion search tool to find a perimeter violation, or use the dedicated graphical activity search tool that gives an intuitive overview of recorded activity. The alarm or event list is another easy way to access recorded events.

The playback of recorded audio can be synchronized with any video channel.

Key Features

- Digital recording on hard disk from 4 to 16 video inputs (IP cameras only or a mix of analog and IP cameras) and from up to 4 audio inputs (option)
- Up to 100 ips total recording speed
- Up to 900 GB internal storage capacity
- Continuous, motion-based and event-triggered recording
- JPEG compression
- Individual camera and audio source settings
- Support for analog and Axis network cameras
- Search by time/date, event, motion or activity (graphical search tool)
- Dome camera control (analog cameras only) locally or over network with joystick controller or mouse

- Alarm input and output lines with opto-isolated inputs and built-in relays (optional I/O card)
- Support for external video matrix control
- TCP/IP network support
- DINA Viewer and DINA Controller client software for remote real-time viewing, image retrieval and remote system configuration
- Supports DINA RMC (Remote Monitoring Center) client for centralized video monitoring and management
- Internal back up to CD-RW, optional NAS or RAID
- Image watermarking during recording
- Software-based Watchdog with email notification

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Operational

Digital Video Recording System

Storage capacity	Standard 160 GB; larger capacity optional (up to 900 GB)
Archiving format	CD-RW, optional NAS / RAID
Record modes	Motion detection, continuous or event triggered (calendar)
Video Standard	PAL / NTSC
Operating System	Windows® XP Pro UK
Compression	JPEG
Supported languages	Danish, English, Estonian, Finnish, French, German, Norwegian, Russian, Spanish, Swedish

Image rate settings

System (max)	100 ips
Single camera (max)	25 ips

Image Size

Average	CIF 17 kB; 2CIF 35 kB

Image Resolution (PAL)

Standard	CIF	(352 x 288 pixels)
Browsing (viewing)	QCIF	(176 x 144 pixels)

Audio

Channels	Normal delivery 4 channels; SW limitation 16 channels
Sampling	22 kHz
Recording	compressed / uncompressed

Events

Settings	Event source (camera, input, disk full, no signal, audio high/low), pre-and post-event recording duration and rate, network alarm, output contact, dome camera preposition, logical events, storage time
Adjustable duration	Pre-event recording 1 to 15 minutes or 1 to 255 frames. Post-event recording from 5 seconds to 30 minutes
Calendar	Programmable recording for each day of the week in one-hour increments. Separate year calendar for holidays

Security and image authentication

Password	Settings, Main panel unlocking, Footage tools, Network, Deletion of sequences, Audio playback
Image Authentication	Images are watermarked during and authenticated during playback recording

User Interface

User interface	Mouse and/or keyboard control
Dome cameras (analog)	Bewator, Ernitec, JVC, Panasonic, Pelco, Philips/Bosch and Sensormatic dome camera drivers
Settings	Individual camera settings, event settings, passwords, footage and event ring buffer settings (storage time)
Monitor control (mixed)	External video matrix control (Bewator Visilynx 3, Computar CS16.4PII, Pelco CM6700/CM6800)
Joystick control	Pelco KBD 300A with D-protocol

Remote client software

Standard	DINA Viewer (Win XP/ 2000)
Optional	DINA Controller (Win XP/2000) and DINA RMC (Remote Monitoring Center)

Data export

File formats	.html-, .avi- and .asf -files

Supported network (IP) cameras / servers

Network cameras (PAL)	Axis 2120 (352x288, max. 25 ips) Axis 2420 (352x288, max. 25 ips)
Network cameras (NTSC)	Axis 2100 (320x240, max. 10 ips) Axis 2110 (320x240, max. 15 ips) Axis 205 (320x240, max. 15 ips)
Video severs (PAL)	Axis 2400+ (352x288, max. 25 ips) Axis 2401+ (352x288, max. 25 ips)

Inputs / Outputs

Video channels	4/8/12/16 total (all IP or a mix of analog and IP cameras)
Analog video inputs	0/4/8/12 composite inputs, 1 Vp-p 75 ohm BNC
IP camera inputs	4/8/12/16 cameras
Optional I/O Boards	16 inputs & 16 outputs 32 inputs & 32 outputs
Network host interface	TCP/IP Ethernet interface
Transparent serial port	Remote control of any RS-232 device from DINA Controller

Backpane Connectors

Power	ATX PS, 240 W, 115 / 230 VAC, 50/60 Hz
Keyboard, Mouse	PS/2
SVGA Monitor Adapter	1024 x 768 pixel resolution
Printer	One DB25-S, parallel
Network	RJ-45, Ethernet 10/100
USB ports	Six USB 2.0
Serial port	RS - 232

Processor / RAM

Processor	2.8 GHz Intel Pentium 4
Memory	512 MB DDR-Sync DRAM PC2100

Dimensions

H x W x D	167 x 448 x 452 mm
Weight	14 kg

Ambient

Temperature	5 - 40 C
RH	0 - 80 % RH, non-condensing

Models

IP camera servers:	DVR Comp xI-hdd
IP/analog cam. servers:	DVR Comp a/nI-hdd

x = total nr. of channels (4/8/12/16), hdd = HDD size (GB)
a = nr. of analog inputs, n = nr. of network camera inputs