MIRASYS

DINA Digital Video Management System

DINA® DVR Comp Servers

DINA® DVR Comp is a complete digital video recorder/server that replaces analog VCR, multiplexer, motion detector, and video transmission system used in traditional analog systems. The DINA® DVR Comp Servers are well suited for demanding sites such as banks, factories, logistic centers, and general corporate surveillance.

Local recording – remote operation

The DINA® DVR Comp eliminates the restrictions of physical distance as it can be accessed from virtually anywhere in the world. The standard DINA® Viewer and the optional DINA® Controller software can easily be installed on a client PC enabling remote viewing and operation of the DVR over TCP/IP networks. The DVR Comp Server also supports the DINA® RMC (Remote Monitoring Center) software.

Efficient data retrieval

DINA**®** DVR Comp 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.

Value for today and tomorrow

DINA**®** DVR Comp is a reliable, upgradeable, network accessible, and truly open system that integrates easily with other equipment. Whether you are building a new system or upgrading an existing one, DINA**®** DVR Comp is a sound investment for years to come.

Models

Local recorder: DVR Comp xC-hdd
Network server: DVR Comp xNC-hdd
IP camera server: DVR Comp xI-hdd

  x = channels (4/8/12/16), hdd= HDD size (GB)

Key Features

- Digital recording on hard disk from up to 16 video inputs
- Supports analog and Axis network cameras
- Up to 64 ips recording speed
- Up to 480 GB internal storage capacity
- Continuous, motion-based and event-triggered recording
- Individual camera settings
- TCP/IP network support (NC/I models)
- Search by time/date, event, motion or activity (graphical search tool)
- Dome camera control locally or over network using joystick controller or mouse
- Optional one-channel/quad video output
- Support for external video matrix
- Alarm input and output lines with built-in relays with optional I/O card
- Standard DINA® Viewer or browser-based DINA® NetViewer client software for remote real time viewing and image retrieval
- Optional DINA® Controller client software for remote system configuration
- Optional DINA® RMC (Remote Monitoring Center) client for alarm centers
- Image watermarking & authentication tool
- Internal back up to CD-RW, optional NAS or RAID

DINA® DVR Comp

Operational

Digital Video Recording System

Storage capacity	Standard 80 GB; optionally 120, 240, 320 and 480 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
Compression	JPEG
Supported languages	Danish, English, Estonian, Finnish, French, German, Norwegian, Russian, Spanish, Swedish

Image rate settings

System (max)	64 ips
Single camera (max)	25 ips
One grabber card (max)	16 ips

Image Size (average)

High	CIF 22 kB; 2CIF 45 kB
Good	CIF 17 kB; 2CIF 35 kB
Normal	CIF 10 kB; 2CIF 20 kB

Image Resolution

High (recording)	2CIF	(704 x 288 pixels)
Standard	CIF	(352 x 288 pixels)
Browsing (viewing)	QCIF	(176 x 144 pixels)

Events

Settings	Event source (camera, input, disk full, no signal), pre-and post-event recording duration and rate, network alarm (NC), output contact, dome camera preposition, logical events, storage time
Adjustable duration	Pre-event recording 1 to 30 minutes or 1 to 100 frames Post-event recording from 5 seconds to 30 minutes
Calendar	Programmable recording for each day of the week in one-hour increments; separate yearly calendar for holidays

Security and image authentication

Password	Settings, Main panel unlocking, Footage tools, Network, Exit
Image Authentication	Images are watermarked before exporting

User Interface

User interface	Mouse and/or keyboard control
Settings	Individual camera settings, event settings, passwords, footage and event ring buffer settings (storage time) and user

Dome camera control	Ernitec, JVC, Panasonic, Pelco, Philips, Sensormatic dome camera drivers
Monitor control	External video matrix control (Computar CS16.4PII, Pelco 6700)
Joystick control	Pelco KBD 300A with D-protocol

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)
Video servers (PAL)	Axis 2400 (352x288, max. 25 ips) Axis 2401 (352x288, max. 25 ips)

Remote client software (NC models only)

Standard	DINA® Viewer (Win XP/2000/NT) and DINA® NetViewer (Win 98/2000/ME/NT/XP; requires Internet Explorer 4.0 or newer)
Optional	DINA® Controller (Win XP/2000/NT and DINA® RMC (Remote Monitoring Center)

Inputs / Outputs

Video inputs	4/8/12/16 composite inputs, 1 Vp-p 75 Ω BNC
Optional video output	1 one-channel/quad video output
Alarm Inputs	4/8/12/16 inputs
Optional I/O Kit	4/8/12/16 optoisolated inputs; 2/4/6/8 relay outputs (max 0.1 A)
Network host interface	TCP/IP Ethernet interface
Transparent serial port	Remote control of any RS-232 device from DINA® Controller

Backplane Connectors

Power	Enhanced ATX PS, 250 W, 115 / 230 VAC, 50/60 Hz
Keyboard, Mouse	PS/2
Digital SVGA Monitor	1024 x 768 pixel resolution
Printer	One DB25-S, parallel
Network	RJ-45, Ethernet 10/100
USB ports	Two USB 2.0
Serial ports	Two RS - 232

Processor / RAM

Processor	2.4 GHz Intel Pentium IV
Memory	256 MB DDR-Sync DRAM PC2100

Dimensions

H x W x D	168 x 448 x 427 mm
Weight	11,8 kg

Ambient

Temperature	5 – 40 ℃
RH	0 – 80 % RH, non-condensing

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