MIRASYS

DINA Digital Video Management System

DINA® DVR Pro Servers

DINA® DVR Pro is a versatile digital video recorder/server featuring the latest technologies in the field of image acquisition, compression and transmission. DVR Pro is designed to meet the demands of industrial environments, featuring e.g. industrial casing, shock resistant hard disk, and filtered air intake. It also includes a programmable internal video matrix that enables real-time camera tours on monitors. Additionally, the Pro F series utilize faster frame grabbing technology – up to 96 ips!

Local recording – remote operation

The DINA® DVR Pro is the key component of a scalable and expandable CCTV surveillance system. It 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 Pro Server also supports the DINA® RMC (Remote Monitoring Center) software.

Efficient data retrieval

DINA® DVR Pro features 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 Pro is a reliable, upgradeable, network accessible, and truly open system that integrates easily with other equipment. Together, these benefits add up to a premium, completely future-proof digital video management system.

Models

Network server: DVR Pro P16-hdd
Network server: DVR Pro F16-hdd

  hdd= HDD size (GB)

Key Features

- Digital recording on hard disk from 16 video inputs
- Supports fixed and dome analog cameras
- Up to 64 ips (Pro P) / 96 ips (Pro F) recording speed
- Up to 750 GB internal storage capacity
- Continuous, motion-based and event-triggered recording
- Individual camera settings
- TCP/IP network support
- Search by time/date, event, motion or activity (graphical search tool)
- Dome camera control locally or over network using joystick controller or mouse
- Built-in 16-in/8-out video matrix and 16 loop-through video outputs
- Optoisolated alarm inputs and relay outputs
- 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 Pro

Operational

Digital Video Recording System

Storage capacity	Standard 160 GB; optionally 360, 480 and 750 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)	96 ips (Pro F); 64 ips (Pro P)
Single camera (max)	25 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

Settings	Individual camera settings, event settings, passwords, footage and event ring buffer settings (storage time) and user settings

User interface	Mouse and/or keyboard control
Dome camera control	Ernitec, JVC, Panasonic, Pelco, Philips, Sensormatic dome camera drivers
Monitor control	Internal video matrix or external matrix control (Computar model CS16.4PII, Pelco 6700)
Joystick control	Pelco KBD 300A with D-protocol

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
Video output	16 looped-through video outputs; 8 programmable video matrix outputs
Alarm Inputs	16 optoisolated inputs
Control outputs	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	ATX PS, 350 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	175 x 425 x 530 mm
Weight	15 kg

Ambient

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

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