Specification

Max. No. of cameras that can be connected to one system	96
Stereo	✔
Processor	Pentium 4 3GHz
On board memory	1GB RAM
LVD SCSI	2+ ports
Triplex operation	✔
Advanced Motion detection	✔
Sync. cameras PB	✔
Max No. of PPS	Real time recording (25PPS per camera input)
Audio	Stereo Audio per camera input
Password control	Up to 3 levels
Chipcard control (optional)	✔
19" rack mountable	✔
Platform	Windows XP
Variable data stream	1 to 15Mb stream
Watermark Encryption	✔
Compression method	MPEG2 I frame or MPEG2 conditional update
Composite video output	✔
PC monitor output	✔
Audit trail	✔
First evidence drive (optional)	DVD-R, DVD+R, HDD, DVD-Video

Searching

Time/Date	✔
Mask	✔
Event	✔

Networking

LAN	✔
WAN	✔
ISDN	✔
External memory (optional)	32Tb via SATA RAID
Software add-ons (optional)	✔

Options

Memory Modules can be used upto a maximum of 32TB. which are usually suitable for up to 31 days online storage (dependant on recording levels selected).

DLT Back-up These allow for additional archiving in cases where it proves too expensive or impractical to use an HDD solution.

Software Licences Additional software licences are necessary for additional features. For example: Back-up, Remote Station and Analyser.

Encoders Allows 8 cameras per encoder to be connected to the system. Each encoder can be connected to the system via TCP/IP.

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DS-3000RT

Advanced PC based digital security recording

The DS-3000RT uses the latest advances in technology to bring the maximum benefits to the user, including superior picture quality, fast image capture, networking capabilities and real-time video updates.

Easy to use and simple to operate, the DS-3000RT can be programmed to suit your specific needs. This means instant data access, easy retrieval of data and masking and motion detection.

The low operating cost of the DS-3000RT make it one of the most flexible cost effective digital security systems you can install.

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Features

• Triplex Operation

Triplex operation allows the system to view live footage, playback an incident and record all at the same time without affecting recording quality.

• Motion Detection

In order to save memory and review time, the system can be set up to record only when motion occurs. These levels are fully configurable by the user and guarantees that it record exactly what is required.

• Searching

One of the main advantages of DS-3000RT is its quick and efficient searching. It is possible to search by time and date as well as by motion detection alarms to find what is required quickly and easily.

• Play-Back in Sync

Several cameras can be played back in sync. This allows the user to see what is happening in more than one area at the same time.

• 25 Pictures per Second

Each camera input is capable of real time recording (25PPS) using 1 frame, or a mix of conditional update frames (B and P), which can give real time recording while still producing economical storage.

• Networking Capability

DS-3000RT is fully networkable. It can be connected via LAN, WAN, ISDN and ADSL. This allows the user to view several sites from a central control station.

• Access Control

Access to the system can be controlled by both password and/or chip-card (optional). It is totally up to the system manager who access is given to. User groups can be designated with their access rights set. This also allows covert cameras to be installed that can only be viewed by designated groups.

• 19" Rack Mountable

All of the system components fit in standard 19" racks.

• Windows XP Platform

The system works on the proven Windows XP platform.

• Consistent Picture Quality

With the DS-3000RT are guaranteed consistent picture quality. The picture grade is set up by the user and is configurable to between 1 and 8MB stream per second.

• Encryption

The DS-3000RT offers one of the highest levels of watermarked encryption. Pictures cannot be modified in any way. Each system has its own unique code which means it cannot be accessed or used by 3rd parties. Even images recorded on the system are useless unless the unique algorithm is known.

• MPEG2

Flexible compression method, which allows either full frame (1 Frame) recording or conditional update.

• Composite Video Output (optional)

The system has a composite video and audio output that can be used for viewing on a regular analogue 'spot' monitor. This can also be used for transferring incidents onto regular video tape.

• System Audit Trail

A full audit trail is available so it can be seen who did what and when.

• First Evidence

The system incorporates a 'First Evidence' export drive. This can be transferred onto DVD-R, DVD+R, HDD or DVD-Video. This can be given to the police as admissible evidence in court.

• Ease of Use

The system can be set up to suit any users requirements. It can even be fully automated so the user only has to view when a suspected an incident has occurred. The DS-3000RT has VCR type on-screen controls. With digital zoom and screen joystick to make it very easy to operate.

• DS-3000RT Encoders (with audio if required)

Each encoder receives composite video signals from each camera (up to 8) and sends its output via ethernet to the main CPU as a digital stream. Each video merger is IP addressable, which gives the ability to situate the encoder away from the main recording unit.
These encoders also have 8 alarm logical inputs and outputs which can be used for several functions e.g. an external triggers, higher recording rates etc.
Another feature of the encoder is an LED visual indication of whether or not a composite video input is being received.

• Webviewer

This is free distribution software for remote access via Internet Explorer for live playback and PTZ control.

Advanced   The DS-3000RT solution uses the latest advances in technology to bring the maximum benefits to the user:

- Superior picture quality
- Fast image capture with no loss of vital data
- Synchronisation of cameras
- Networking capabilities for multiple sites
- Real-time video updates
- Stereo/audio on every channel

Intuitive   The DS-3000RT solution is easy to use, simple to operate and can be programmed easily to suit your needs. Typical ways in which the DS-3000RT solution can respond to the users requirements include:

- Instant data access whilst recording
- Easy to find and retrieve data
- Masking and motion detection

Profitable   The DS-3000RT can be demonstrated to generate savings. Over time, the low maintenance and running costs of the system make it cheaper to install and use than traditional time-lapse.

Typical Network Structure

cameras (via coax)   cameras (via coax)   cameras (via coax)   cameras (via coax)

Encoder (Location 1)   Encoder (Location 2)   Encoder (Location 3)   Encoder (Location 4)

PTZ control   Alarm Inputs x8   Alarm Outputs x8   PTZ control   Alarm Inputs x8   Alarm Outputs x8   PTZ control   Alarm Inputs x8   Alarm Outputs x8   PTZ control   Alarm Inputs x8   Alarm Outputs x8

CPU

Raid Unit

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