

DIGIOP G2 EDNS4000

Digital Video Recorder

ernitec

Description

The Ernitec EDNS4000 4/8/16 channel is a digital security system that helps businesses and individuals to manage and protect their properties and assets effectively from theft and other security risks.

The EDNS4000 4/8/16 digital video recorder presents the latest technology within the digital age of video recording. The system makes it possible to record video from up to 4/8/16 cameras to the built-in hard disc. The units can be equipped with hard disk up to 800GB.

The digital system ensures that the recorded video is safely stored and that it can be retrieved quickly whenever needed.

The EDNS4000 displays live and recorded video information on a PC monitor. An extra output is available for display of live video via a CCTV monitor.

Functions

Monitoring & Recording

The EDNS4000 provides monitoring display of all connected cameras in different screen modes. It also records the images from all connected cameras with up to 100 fps (pictures/second) at basic resolution, 100 fps at middle resolution and 60 fps at high resolution.

Audio Recording

The EDNS4000 supports recording of audio (1 ch). Access to the recorded audio data is password protected in accordance with the latest international legislation.

Frame Rate Adjustment

Some cameras require different levels of security importance than others. The EDNS4000 4/8/16ch system provides total free possibility to adjust the number of pictures taken from each individual camera.

Motion Detection

More efficient recording can be obtained by the use of motion detection. For each camera a special mask can be set-up for the desired area of motion to be recorded. Using motion detection requires less hard disk space, without compromising on the image recording.

Smart Search Functions

Search the recorded images by date, time and camera sensor event. It is also possible to set-up specific blocks or areas to search within. (This feature is only available in EDNS4000 8/16ch). Search video images can be stored on floppy disk/network drive and printed out.

CD-RW for File Back-up

The system provides the possibility of copying suspicious events to an internal CD-RW for long-term storage.



Alarm Recording

It is possible to connect 4 alarm sensors to the unit. When a sensor is activated the connected camera will immediately capture any motion. Multiple cameras can be connected to a single sensor. There are two recording modes, normal and intensive mode.

There are 2 outputs. Each output can be automatically triggered by any alarm.

Network Solutions

The DigiOp may be used in a local or wide area network for remote surveillance. Any number of DigiOps may be connected to a 10/100BaseT network Hub, providing multiple connectivity to multiple recorders, vast remote locations and multi-channels all from multiple review stations installed with RemoteAgent software. The units may also be used in combination with the series EDNS5000/6000 DigiOpG2 on the same network.

Guarantees the Best Reliability and Stability

- *Auto rebooting:* After the power supply is recovered from the power failure, the DVR automatically reboots and maintains recording normally.
- *Auto-recovery:* The HDD protection software prevents the damage of the HDD's system files when there is a power failure and it is not able to reboot.
- *Watchdog:* when there is an abnormal halt during the operation it resets in 5 minutes and reboots.

Easy Control at the On-Site & Remote-Site

The EDNS4000 supports control of domes & cameras equipped with PTZ controller through RS485 (use EDNSPTZ converter). The same cameras can be controlled through LAN network, using the NetAgent or RemoteAgent software.

Proprietary Compression Technology

Proprietary Enhanced MPEG video compression provides the industry's most powerful compression of video images for fast processing speed and high image resolution.

High compression efficiency achieved allows fast network transmission of recorded image files over a variety of network settings for live viewing, remote playback or remote file copy.

Image files recorded with DigiOp can be provided as legal and forensic evidence.

Prevents Alteration of Images by Encryption and Password

Alteration and forgery of images is impossible. Users can only view images in the Viewer program, because of the powerful encryption. If a password was specified to the image files, only the person, who knows it, can view the files.

Remote Live View, Playback, File Copy

With the different software solutions it is possible to have remote live view, playback and file copy. With the NetAgent (EDNS24NET) software it is even possible to receive video from 24 remote sites simultaneously.

All software packages provide features like:

- Live Monitoring from Remote DVR
- V.O.D (Playback of Recorded Data of Remote DVR)
- Image File Copy from Remote DVR for Archival
- Remote Control of P/T/Z for connected DVR
- Remote Sensor Alarm (Abnormal Shutdown)

RemoteAgent PC Software

Type: EDNS 16NET

Screen Display: 1, 3, 6, 9 & 16 ch

DVR Connection: 16 DVRs

Max. no. of users: 10 clients/PC

System Recommended:

OS: Windows 2000 / XP

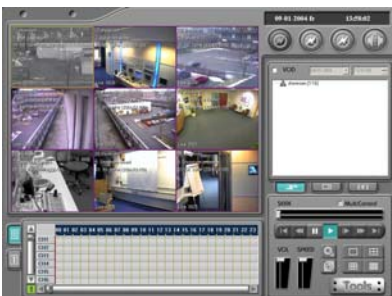
CPU: Celeron 466MHZ

RAM: 128MB

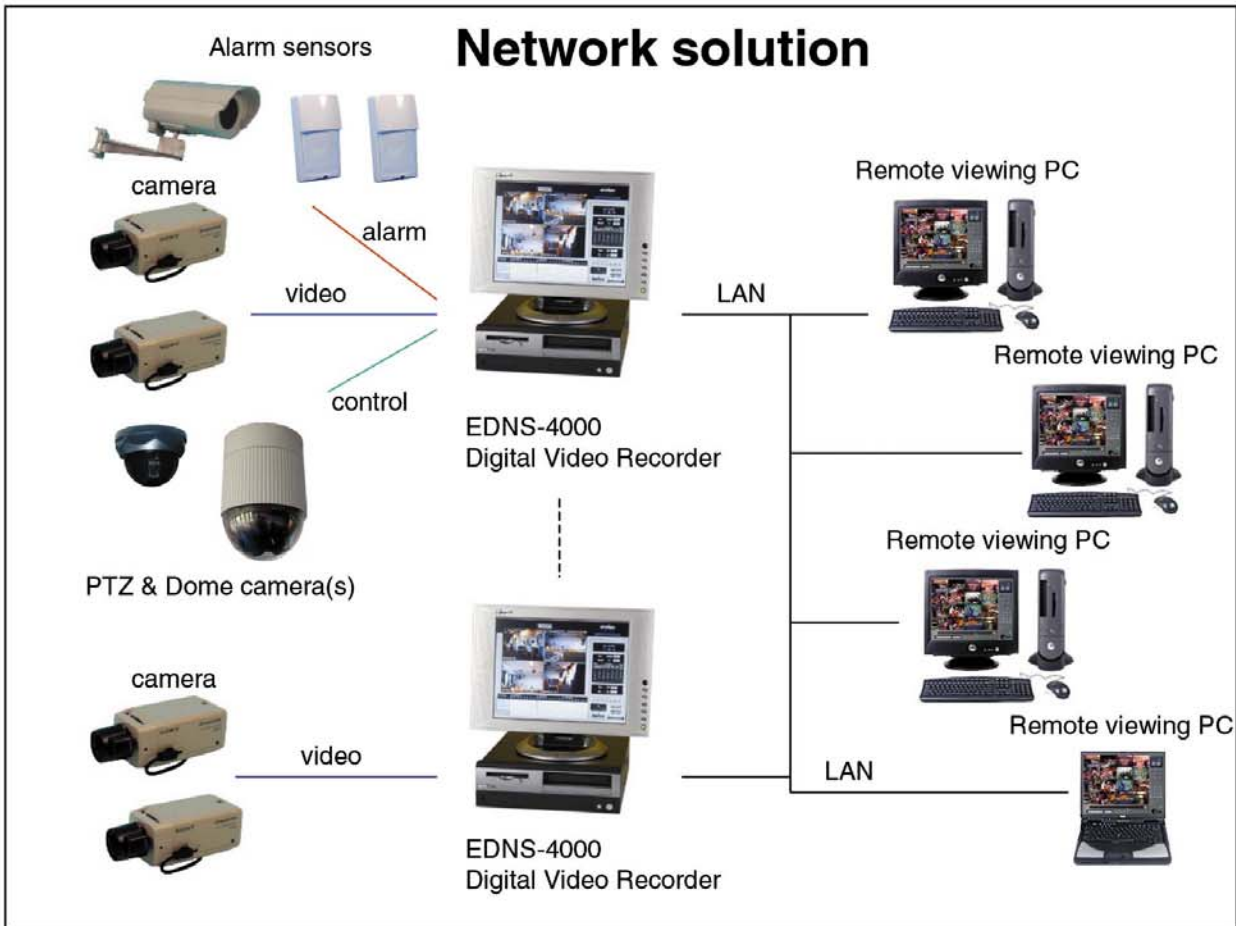
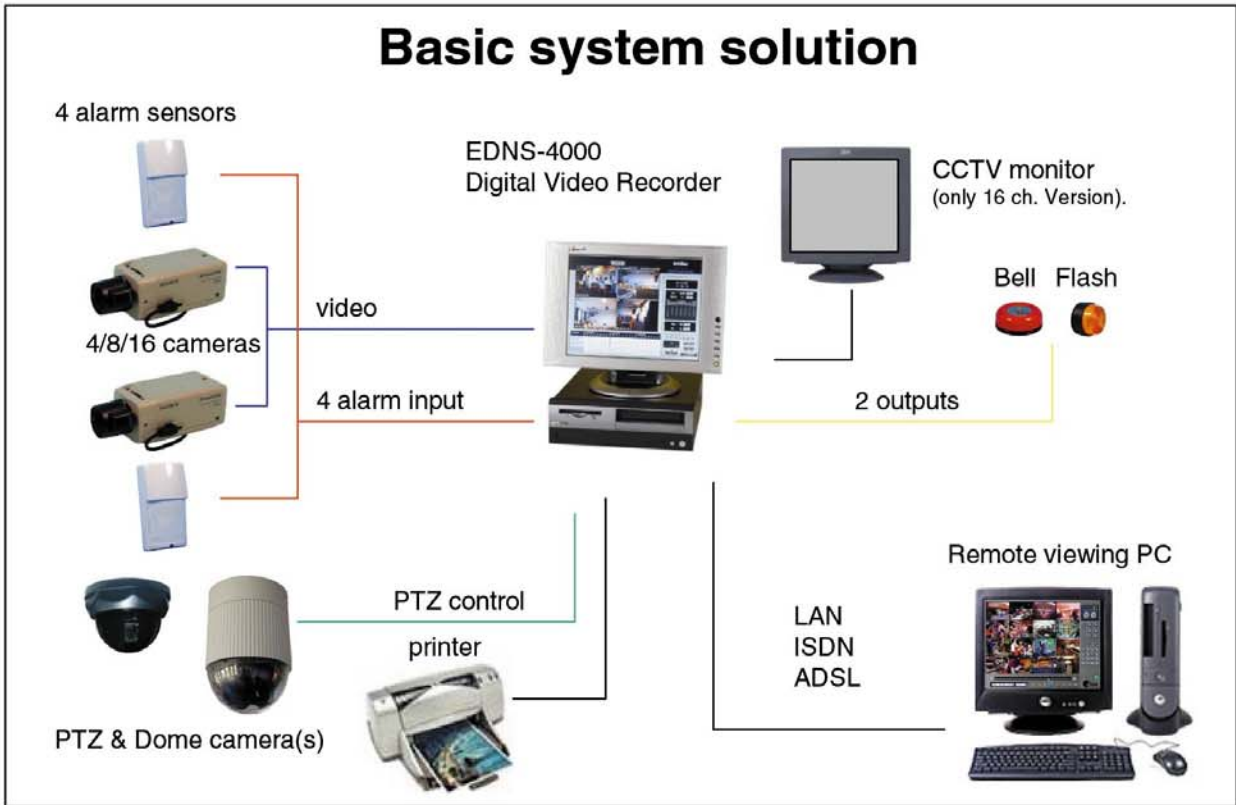
VGA: 1024x768, 24 bit colour, Direct X support

HDD: 20MB free space

Graphic card: Min. 32 MB memory



Applications



Specifications

Features	EDNS4000 series		
	EDNS4000/16	EDNS4000/8	EDNS4000/4
Model	EDNS4000/16	EDNS4000/8	EDNS4000/4
Compression algorithm	Proprietary Enhanced MPEG Algorithm		
User Interface	Easy Graphic User Interface		
Recording period	Norm. 3-6 GB/day (depends on image complexity)		
Hard disk size	120GB - 800GB	120GB - 800GB	80GB - 800GB
No. of video inputs	16/8/4 channels		
No. of audio inputs (Line or mic)	1		
Analogue monitor output	Yes		
Image size	320x240, 640x240, 640x480		
Recording frame rate at resolution:			
320 x 240	Max. 100fps		
640 x 240	Max. 100fps		
640 x 480	Max. 60fps		
Frame rate for monitoring	Max. 100fps		
Multiscreen mode	Full screen and Quad screen		
Triplex function	Live, VOD, Remote file copy		
# of sensor inputs	4 (N/C or N/O)		
# of alarm outputs	2		
Alarm notification	Local and remote		
Multi-screen playback	Yes 1,4,9,16 screen mode (depends on type number)		
Event log & search	Fully supported		
Pan/tilt/zoom/aux & pre-set control	Yes, 8 preset		
Access control by password	Yes		
Individual file encryption	Yes		
Still image to floppy disk	Yes (JPEG, BMP format)		
Still image printer output	Yes		
File backup by CD-RW	Yes (optional)		
Network for remote surveillance	Standard for TCP/IP based network. As option ISDN modem		
Connection	Multi-to-multi, multichannel		
# of maximum connections	16		
Remote transmission	Live view, playback, file copy		
Remote control	Pan/tilt/zoom, preset, aux devices, alarm, screen display, event view		
Auto-rebooting after power recovery	Yes		
Dimensions/weight	340(W) x 101(H) x 370(D) mm / 8 Kg.		
Auto-recovery of data files after power recovery	By ScanDisk		
Case	Desk top cabinet		
Power supply	Switchable (115VAC/230VAC) +/-10%, Max. 180W		



THE ONE TO WATCH

Denmark Head Office

Ernitec A/S
Hørkær 24
2730 Herlev
Denmark
Phone: +45 44 50 33 00
Fax: +45 44 50 33 33
ernitec@ernitec.dk
www.ernitec.com

French Branch Office

Ernitec France
N° 29 Parc Club du
Millenaire
1025 Rue Henri Becquerel
34036 Montpellier cedex 1
France
Phone: 04 67 15 10 15
Fax: 04 67 64 01 81
ernitec@ernitec.fr
www.ernitec.com

German Branch Office

Ernitec GmbH
Stormarnring 28
22145 Stapelfeld
Germany
Phone: 040 67 56 25 0
Fax: 040 67 56 25 25
ernitec@aol.com
www.ernitec.com

UK Branch Office

Ernitec UK
Columbia House
Columbia Drive
Worthing
West Sussex BN13 3HD
England
Phone: 01903 26 31 25
Fax: 01903 26 31 26
sally@ernitec.co.uk
www.ernitec.com

Middle East Office

Ernitec ME
Hamra - Makdesi Street
Younis Center - 5th floor
Office no. 503
P.O.Box: 113/5721
Beirut
Lebanon
Phone: +961 1 751 796
Fax: +961 1 751 795
malek_kabrit@ernitecme.com
www.ernitecme.com