DIGIOP G2 EDNS6000
Digital Video Recorder

ernitec

The Ernitec EDNS6000 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 EDNS6000 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 16 cameras to the built-in hard disc. It is fitted with different HDD sizes dependent on which solution is acquired. The average HDD size for one day (24hours) recording is 3-6GB.

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

The EDNS6000 displays live and recorded video information on a PC monitor. An extra output is available for display of live video via a CCTV Monitor.

The front door of the EDNS6000 is locked to protect illegal access.

High Power Display & Recording
The EDNS6000 provides live display of all connected cameras in all the different screen modes. It also records the images from all connected cameras with up to 200 fps (pictures/second) at basic resolution. In other words, using 16 cameras, up to 12 images may be recorded from each camera each second.

Some cameras require different levels of security importance than others. The EDNS6000 system provides total free possibility to adjust the number of pictures taken from each individual camera.

Activity Detection
More efficient recording can be obtained by the use of activity detection. For each camera a special mask can be set-up for the desired area of motion to be recorded. Using activity 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. Found video images can be stored on floppy disk/network drive or 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 16 alarm sensors. When a sensor is selected for a camera, the connected camera will immediately capture any motion detected by the sensor. Multiple cameras can be connected to a single sensor. There are two recording modes, normal and intensive mode. All alarm inputs can be set up for pre-alarm recording. The pre-alarm period is adjustable.

Alarm sensors can trigger prepositions in speed domes.

There are 16 control outputs. Each output can be automatically triggered by any alarm.

Network Solutions
The EDNS6000 may be used in a local or wide area network for remote surveillance. Any number of EDNS6000 units 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 PC software.

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
EDNS6000 supports on-site and remote control of high speed dome cameras and cameras equipped with PTZ controller through RS485 using the RemoteAgent networking software.

Sound Recording
Series EDNS6000 DVR units are standard equipped with an 8 channel sound card for the recording of synchronised audio.
Access to the recorded audio data is password protected in accordance with the latest international legislation.

MPEG4 Compression Technology
Proprietary Enhanced MPEG1/4 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 EDNS6000 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
The EDNS6000 DVR comes with very advanced network software as standard. The software is named RemoteAgent and with this software it is possible to have remote live view, playback and file copy. It is even possible to receive video from 24 remote sites simultaneously.
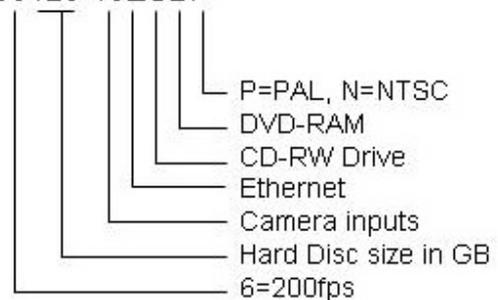
The software package provides features like:
-Live Monitoring from Remote DVR
-V.O.D (Playback of Recorded Data of Remote DVR)
-Image File Copy from Remote DVR for Archival
-Remote Control of P/T/Z for connected DVR
-Remote Sensor Alarm (Abnormal Shutdown)
- Technical alarms
- Screen Display: 1,4,9,16,24 ch
- Remote DVR configuration
- RemoteAgent PC software – type: EDNS 16NET
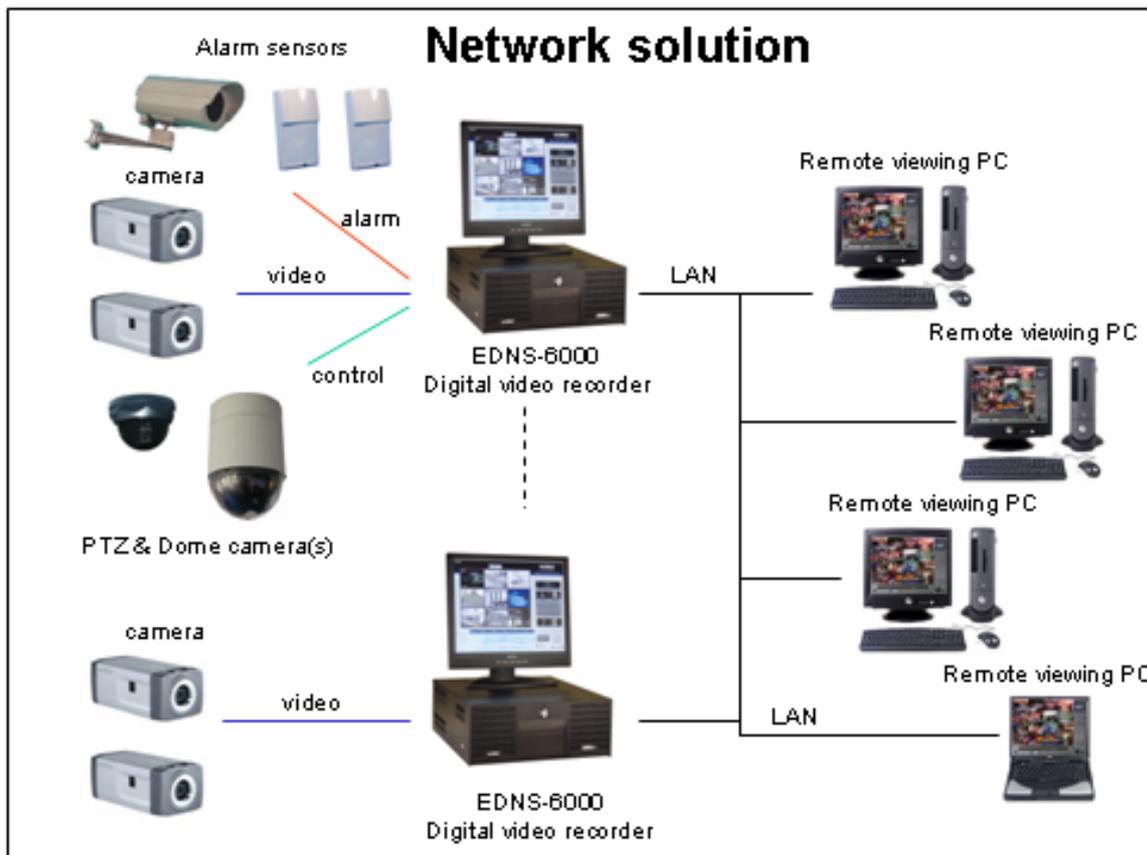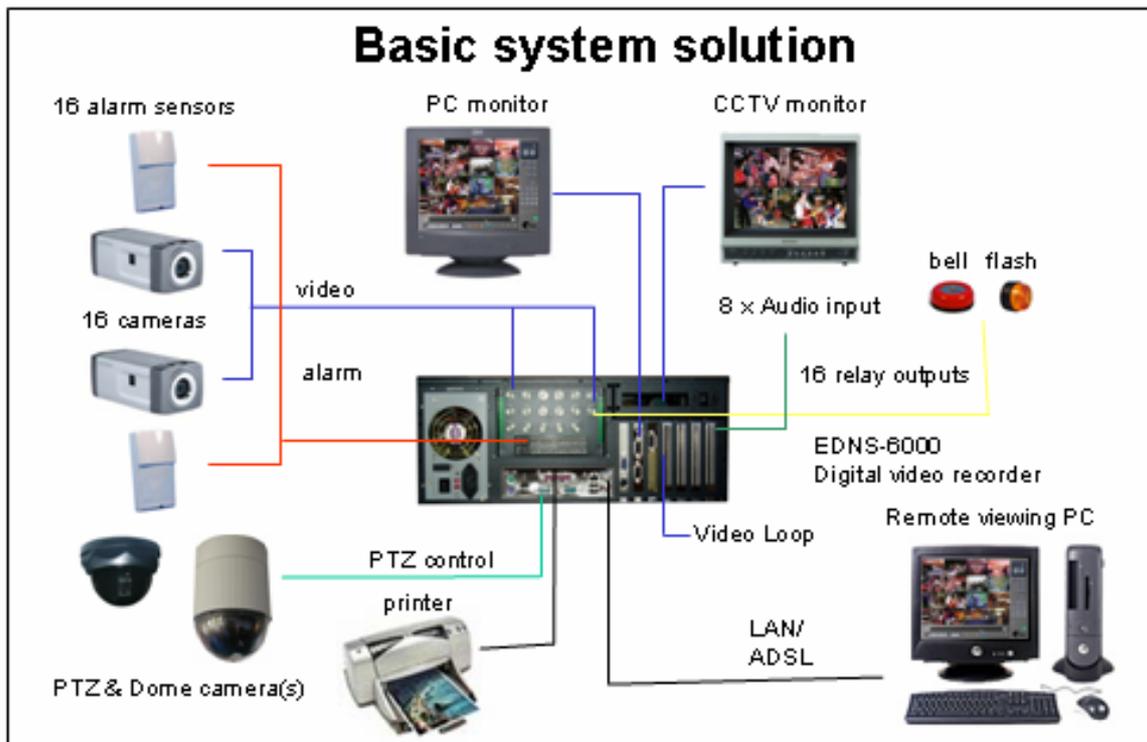
Order Codes

Hard disk sizes available: Please contact the Ernitec sales department for further information.

Accessories:
EDNSPTZ: RS232/RS485 converter

Applications

Basic system solution

16 alarm sensors — PC monitor — CCTV monitor

16 cameras — video — alarm

8 x Audio input — bell — flash

16 relay outputs

EDNS-6000 Digital video recorder

Video Loop

Remote viewing PC

PTZ control — printer

PTZ & Dome camera(s)

LAN/ ADSL

Network solution

Alarm sensors

camera — alarm

video

control

PTZ & Dome camera(s)

EDNS-6000 Digital video recorder

camera — video

EDNS-6000 Digital video recorder

Remote viewing PC

LAN

Remote viewing PC

Remote viewing PC

Remote viewing PC

LAN

Specifications

Features	EDNS6000 series			
Basic Models	EDNS6120-16EP	EDNS6120-16EN	EDNS6120-16EPC	EDNS6120-16ENC
Compression algorithm	Enhanced MPEG1/4, S/W compression			
Data file format	DSF format			
Recording period	12~24 GB/day (depend on image complexity)			
Hard disk size	From 120GB (additional hard disks may be fitted)			
# of camera inputs	16 channels			
Image size	352x288, 720x288, 720x576			
Recording frame rate at resolution 352 x 288, fps @	Max.200(PAL)/240(NTSC)			
Recording frame rate at resolution 720 x 288, fps @	Max. 100(PAL)/120(NTSC)			
Recording frame rate at resolution 720 x 576, fps @	Max. 50(PAL)/60(NTSC)			
Frame rate for monitoring	400 fps (PAL) / 480 fps (NTSC)			
Full motion monitoring by overlay	Yes (up to 16 screen mode)			
Analogue TV output	Yes (up to 16 screen mode)			
# of sensor inputs	16			
# of alarm outputs	16			
Sound Recording (line input)	8 channels			
Multi-screen playback	Yes (up to 16 screen mode)			
Event log & search	Fully supported			
Pan/tilt/zoom & pre-set control	Yes			
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	Internal DVD-RAM (EIDE) or CD-RW(EIDE) (optional)			
Network for remote surveillance	Standard for TCP/IP based network. As option modem			
Connection	Multi-to-multi, multichannel			
# of maximum connections	32			
Remote transmission	Live view, playback, file copy			
Remote control	Pan/tilt/zoom, preset, aux devices, alarm, screen display, event view			
Auto-rebooting after power failure	Yes			
Approvals	EN61000-3-2, EN61000-3-3, EN60950, EN55022, EN50130-4			
Operation conditions	Temperature range from 0°C to +40°C			
Weight:	18 Kg.			
Power requirements	115 - 230V AC/50Hz/550W			
Dimensions (total)	Industrial 19'' x 4Hu rack mount type. 483mm (w) x 178mm (H) x 520mm (D)			
Languages	English, German, French, Spanish, Dutch, Danish, Italian, Finnish and many others			

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THE ONE TO WATCH

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