DIGIOP G2 EDNS7000
400fps D1 Real-time Digital Video Recorder

ernitec

The EDNS7000 DVR series provides real-time video recording in DVD quality and fully synchronised voice recordings. This DVR range is the top model within the Ernitec DVR range and provides the best within video recording in the CCTV industry today.

The high video quality makes it very suitable for Casino use, high security application within the industry, military, prisons, banks or wherever the need for high definition and superior image quality is required for later investigations.

By use of modified H.264 hardware compression it is possible to record with 400fps in full D1 resolution (720x576). This equals live recording (25fps) on each camera. The DVR comes with 16 video inputs.

The unit is equipped with a 16 channel sound card with line inputs and provides fully synchronised voice recordings.

The EDNS7000 displays live and recorded video information on a PC monitor. An extra output is available for display of live video via a CCTV Monitor.

Advanced Compression Technology
Advanced Enhanced H.264 video compression boards provide 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.

De-Interlacing
The EDNS7000 series is equipped with dedicated videocompression hardware technology, which also provides advanced de-interlacing reduction algorithms that substantially reduce any potential interlacing artefacts.

Bandwidth throttle
Network bandwidth throttle allows user to define transmission speeds for maximum network efficiency.

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.

DVD-RW for File Back-up
The system provides the possibility of copying suspicious events to an internal DVD-RW for long-term storage.

Alarm Recording
Optionally it is possible to connect 16 alarm sensors by means of a 16 ch I/O alarm rack (must be ordered separately). 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.

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

Network Solutions
The EDNS7000 may be used in a local or wide area network for remote surveillance. Any number of EDNS7000 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 Remote Manager PC software or an Ernitec EasyView™ client program.

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

EDNS7000 supports on-site and remote control of cameras equipped with PTZ controller through RS485 using Remote Manager networking software.

Sound Recording

Series EDNS7000 DVR is equipped with a sound card for the recording of synchronised audio on 16 channels. Access to the recorded audio data is password protected in accordance with the latest international legislation.

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.

Image files recorded with EDNS7000 can be provided as legal and forensic evidence.

Remote Live View, Playback, File Copy

The EDNS7000 DVR comes with very advanced network software as standard. The software is named Remote Manager 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.

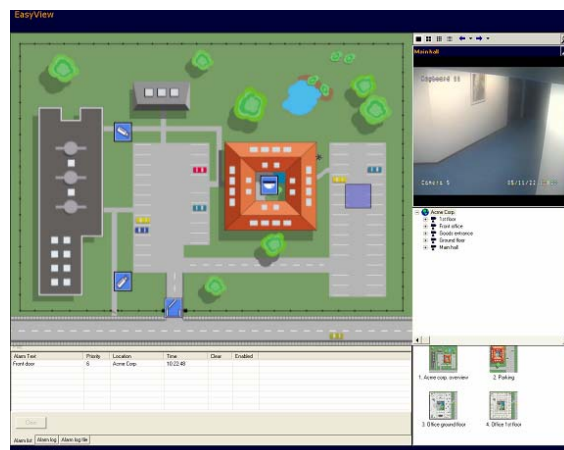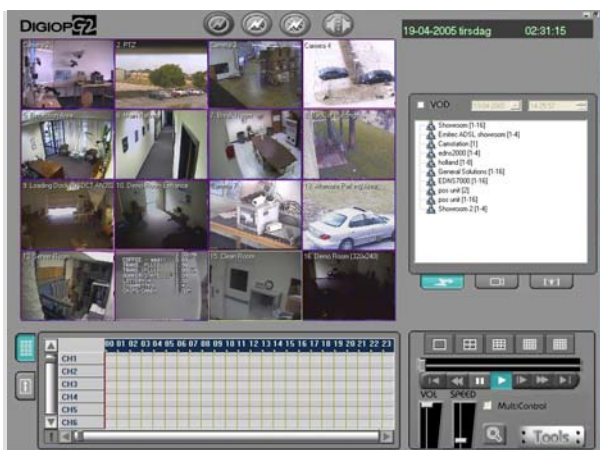The software package provides features like:
- Live Monitoring from Remote DVR
- V.O.D (Playback of Recorded Data of Remote DVR)
- Image File Copy from Remote DVR for Archival
- Remote Control of P/T/Z for connected DVR
- Remote Sensor Alarm (Abnormal Shutdown)
- Technical alarms
- Screen Display: 1,4,9,16,24 ch
- Remote DVR configuration
- Remote Manager PC software – type: EDNS 16NET
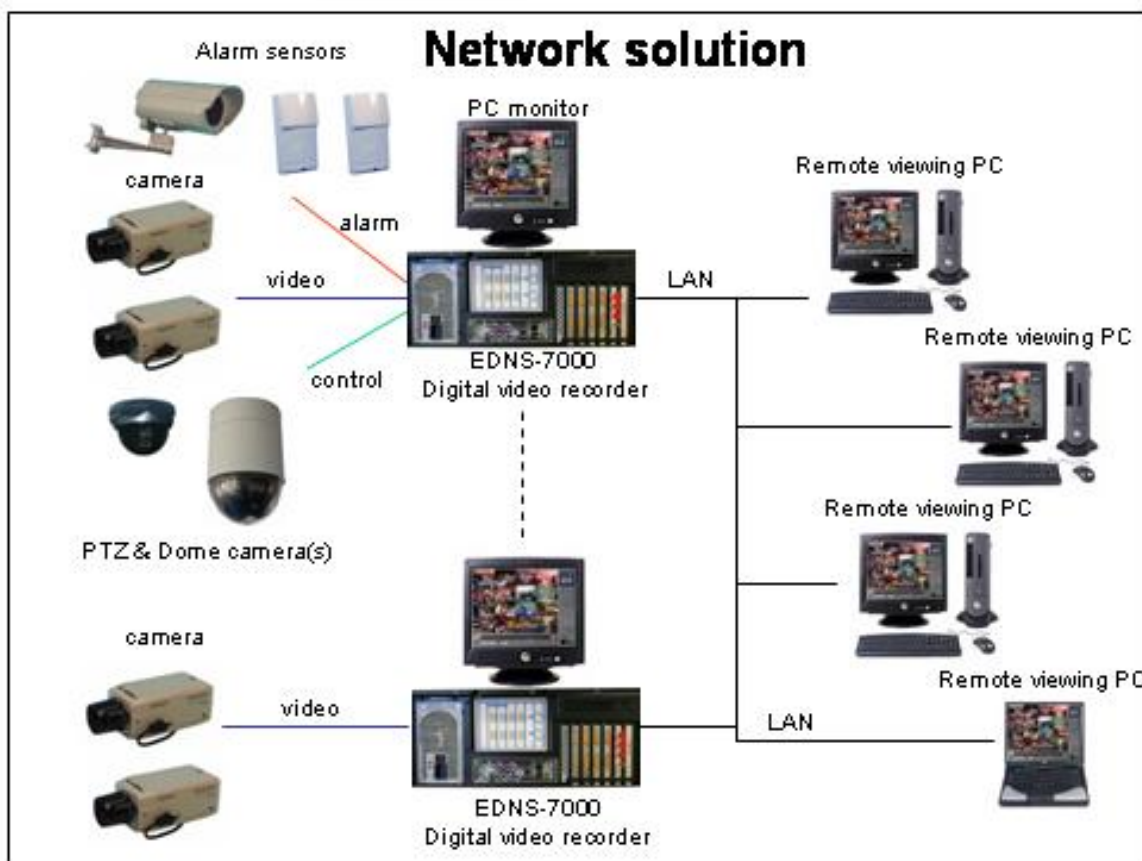
Order Codes

Basic model:
EDNS7320-16EPD
For larger HD sizes contact your Ernitec dealer.

Network Software:
EDNS16NET: Remote Manager (included)
EasyView™ Client Software (optional)

Optional modules:
DIGIOP EDNS16-Alarm
EDNSPTZ: RS232/RS485 converter

Applications

Basic system solution

8/16 alarm sensors
PC monitor
CCTV monitor
8/16 cameras
video
alarm
bell flash
8 relay outputs
EDNS-7000
Digital video recorder
Remote viewing PC
PTZ control
printer
LAN/ ADSL
PTZ & Dome camera(s)

Network solution

Alarm sensors
PC monitor
camera
alarm
video
LAN
Remote viewing PC
EDNS-7000
Digital video recorder
control
Remote viewing PC
PTZ & Dome camera(s)
Remote viewing PC
camera
Remote viewing PC
video
LAN
EDNS-7000
Digital video recorder

Specifications

Features	EDNS7000 series
Basic Model	EDNS7320-16EPD w/320GB HDD
Compression algorithm	Modified H.264, Hardware compression
Data file format	DSF format
Recording period	12~24 GB/day (depend on image complexity)
Hard disk size	From 320GB. Contact your Ernitec dealer for more information.
# of camera inputs	16 channels
Individual camera resolution	352x288, 704x288, 720x576 (PAL)
Compression modes: Variable bit rate: (VBR)	Yes
Constant bit rate (CBR)	Yes
Recording frame rate at resolution 720x576 (D1)	400 fps(PAL)
Frame rate for monitoring	400 fps (PAL)
Full motion monitoring by overlay	Yes (up to 16 screen mode)
Analogue TV output	Yes (up to 16 screen mode)
# of sensor inputs	16 (requires optional alarm rack)
# of alarm outputs	16 (requires optional alarm rack)
Sound Recording (line input)	16
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-ROM (EIDE)
Network for remote surveillance	Standard for TCP/IP based network. As option modem
Network Software	Remote Manager (included), EasyView™ Client (optional)
Connection	Multi-to-multi, multichannel
# of maximum connections	100 (recommended 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 (recommended 20°C)
Dimensions/Weight:	19" x 4Hu, 483 (w) x 178 (H) x 584 (D) mm, 20 Kg.
Power requirements	115 - 230V AC/50Hz/550W

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THE ONE TO WATCH

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