

DX4000 Series Digital Video Recorder

4 CAMERA INPUTS, 160 GB TO 500 GB STORAGE

Product Features

- 4-Channel Digital Video Recorder
- MPEG-4 Compression
- Up to 704 x 480 (NTSC), 704 x 576 (PAL) Recording Resolution
- Up to 120 (NTSC)/100 (PAL) Images Per Second Recording Rate at 352 x 240/352 x 288 Resolution for NTSC/PAL Respectively
- Independent Channel Resolution, Quality, and Frame Rate Settings
- Full-Function Remote Agent with Administration Functions
- Up to 500 GB Internal Storage
- Support for Continuous, Motion, Alarm, and Scheduled Recording for Maximum Utilization of Hard Disk Drives
- Local or Remote PTZ Control through Pelco D and Pelco P Protocols
- 4 Audio Inputs, 1 Audio Output
- 4 Alarm Inputs, 1 Relay Output
- Main Monitor Configurable for Multiple Camera Displays and for Live or Playback Video
- Spot Monitor with Programmable Sequence
- Choice of Optional CD-RW or DVD-RW and USB Video Offload



The **DX4000 Series** digital video recorder (DVR) is an entry-level, professional unit that not only replaces the traditional VCR and multiplexer combination but also offers the benefits derived from the latest in digital video processing.

Designed to work with today's broadband networks, the **DX4000** uses MPEG-4 compression, allowing the user to view and control the DVR across a local or wide area network. Additionally, the smaller file size produced by the MPEG-4 compression standard, allows for longer storage times compared with traditional DVR technologies.

With the ability to record at resolutions up to 704 x 480, the **DX4000 Series** DVR captures crystal clear pictures, creating effective footage for later use and retrieval. With the ability to record up to 120 images per second (ips) in CIF resolution users can also record full-motion video if desired. Individual adjustments are possible on a per input basis to optimize the **DX4000** to meet a given installation's requirements for video retention. Video critical for investigation and archiving can be easily exported to a USB memory device or an optional CD-RW or DVD-RW.

With the ability to address and control pan/tilt/zoom (PTZ) equipment such as the Spectra® domes, and Esprit® positioning systems, the **DX4000** becomes a powerful control point for the surveillance requirements of an installation. In addition, with the ability to trigger recording and alarms on motion or external contacts the **DX4000 Series** becomes an automated monitoring engine as well.

The **DX4000** video outputs provide for efficient control and effective deterrence. The choice of VGA, S-Video, or composite main monitor output provides flexibility for the user. The main monitor output can be adjusted to display in full screen or quad format. The **DX4000's** spot monitor can be used for public view applications, providing an effective deterrent to would-be criminals.

Finally, the **DX4000** is designed to deliver robust and reliable performance for security professionals. From the incorporation of watermarking technology to prevent alterations of captured video, to the ability to capture log entries detailing any faults or user-initiated changes to the system, to the inclusion of Pelco's world renowned customer service promise, the **DX4000** embodies the ideal entry-level DVR to protect assets and people.



TECHNICAL SPECIFICATIONS

MODELS

Model Number	Number of Camera Inputs	Description
DX4004-160	4	DVR with 160 GB Storage
DX4004CD-160	4	DVR with CD-RW and 160 GB Storage
DX4004DVD-160	4	DVR with DVD-RW and 160 GB Storage
DX4004-250	4	DVR with 250 GB Storage
DX4004CD-250	4	DVR with CD-RW and 250 GB Storage
DX4004DVD-250	4	DVR with DVD-RW and 250 GB Storage
DX4004-500	4	DVR with 500 GB Storage
DX4004CD-500	4	DVR with CD-RW and 500 GB Storage
DX4004DVD-500	4	DVR with DVD-RW and 500 GB Storage

COMPATIBLE PRODUCTS

Esprit positioning systems, Spectra domes

SUPPLIED ACCESSORIES

Remote Control

ELECTRICAL/VIDEO

Input Voltage	100-240 VAC, 50/60 Hz, autoranging								
Power Consumption	60 W								
Signal System	NTSC/PAL switchable								
Recording Resolutions*	<table> <thead> <tr> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>704 x 480</td> <td>704 x 576</td> </tr> <tr> <td>704 x 240</td> <td>704 x 288</td> </tr> <tr> <td>352 x 240</td> <td>352 x 288</td> </tr> </tbody> </table>	NTSC	PAL	704 x 480	704 x 576	704 x 240	704 x 288	352 x 240	352 x 288
NTSC	PAL								
704 x 480	704 x 576								
704 x 240	704 x 288								
352 x 240	352 x 288								
Video Inputs	4, composite, looping with automatic termination 2, composite, main and spot monitors 1, VGA 1, S-Video								
Video Outputs	2, composite, main and spot monitors								
Video Compression	MPEG-4								
Remote Connection	LAN/WAN TCP/IP 10/100 Mbps Network port								

AUDIO

Audio Levels	
Input	Line-level input
Output	Line-level output
Audio Inputs	4 RCA sockets
Audio Output	1 RCA socket

*Total Recording Rate Up to 120 ips

MECHANICAL

Connectors	
Video Inputs	4, BNC
Video Outputs	4, BNC, looping
Alarm Input	4, N.C. or N.O., supervised or non-supervised
Relay Output	1, N.C. or N.O., 30 VDC/1A 125 VAC/.5A
PTZ Control	1, RS-485
TCP/IP port	RJ-45, 10/100 Mbps
COM 1	RS-485 for PTZ control
USB Port	1, USB 1.1

GENERAL

Operating Temperature	32° to 95°F (0° to 35°C)
Relative Humidity	Maximum 80%, noncondensing
Dimensions	14.17" D x 14.17" W x 2.6" H (36 x 36 x 6.6 cm)
Unit Weight	13.22 lb (6 kg)
Shipping Weight	16.5 lb (7.5 kg)

CERTIFICATIONS

- CE, Class A
- UL Listed (external power supply)
- FCC, Class A

REMOTE AGENT

Operating System	Microsoft Windows® XP Professional only A Microsoft multilingual user interface is required to run the remote agent in a language other than English.
Processor	Pentium® IV, 2.4 GHz
Memory	256 MB RAM
Video Card	ATI® Radeon® 7000 graphics board, Matrox® Millennium G450 graphics card, or NVIDIA® GeForce® 2 series of graphics processing units. Contact your sales representative for a complete list of compatible video cards.
Remote Administration	Full remote control by TCP/IP network

Notice: Judgment as to the suitability of the products for users' purposes is solely the users' responsibility. Users should refer to the Operation manuals for cautionary statements regarding user selected options and how they might affect video quality. Users shall determine the suitability of the products for their own intended application, picture rate and picture quality. In the event users intend to use the video for evidentiary purposes in a judicial proceeding or otherwise, users should consult with their attorney regarding any particular requirements for such use.



Pelco Worldwide Headquarters:

3500 Pelco Way, Clovis, California 93612-5699 USA
USA & Canada Tel: (800) 289-9100 • FAX (800) 289-9150
International Tel: (559) 292-1981 • FAX (559) 348-1120
www.pelco.com

Pelco, the Pelco logo, Esprit, and Spectra are registered trademarks of Pelco. Microsoft, Windows, and DirectX are registered trademarks of Microsoft Corporation in the United States and/or other countries.

ATI and Radeon are trademarks or registered trademarks of ATI Technologies, Inc. in Canada, the United States and/or other countries.

Intel and Pentium are registered trademarks of Intel Corporation in the United States and/or other countries.

NVIDIA and GeForce are registered trademarks of NVIDIA Corporation.

Matrox is a registered trademark of Matrox Graphics, Inc. in Canada, the United States and/or other countries.

©Copyright 2007, Pelco. All rights reserved.