

DigiSpider X0 Series Digital Video Recorder

Remote Monitoring ▪ Smart Recording ▪ Object Search ▪ Phone Line Access

Key Features:

- **Multiple Camera Displays** for Live Viewing or Playback while Recording
- **Remote Playback and Monitoring** functions easily distributes video to any remote locations thru LAN/WAN environment.
- **Smart Recording Technology (SRT)** can automatically distribute frame rates to the camera that needed the most, base on alarm or motion detection.
- **Object Search** allows you to specify a zone on an image and perform a search based on any motion occurred within that zone.
- **POS Integration** will enable a third party POS system to work with DVR system. Providing a variety of functions such as search video files based on POS transaction, and to use transaction keywords as search parameters.
- **WebCam Server** offers more useful functions for management of multiple DVRs through a web-interfaced WebCam application.
- **Object Counting** function counts number of objects passing through a pre-defined area.
- **Telephone Line Access** for remote viewing and control via a built-in high performance modem.
- **Multiple Recording Mode** such as motion detect, non-stop, pre-schedule, pre-alarm, post-alarm, pre-motion, post-motion and event trigger can provide flexible solution for different user.
- **Two-way Audio** feature provides the ability to monitor and communicate with local sites.



Digispider X0 Series Digital Video Recorder (DVR) is a compact size, full-featured digital video recording system designed to replace existing analog recording systems. With its advanced digital technology, powerful feature set, and user-friendly graphical user interface, the **X0 Series** DVR meets the many different needs of security and surveillance applications around the world.

The **X0 Series** DVR is a multi-tasking system that makes it possible to process alarms, view live video, play back recorded video, archive video to a network drive, and monitor live/recorded images from a remote location, while simultaneously recording images. All of these functions are protected by hardware and software watchdog circuitry, which ensures the reliability of your system.

Complete with keyboard and mouse, the **X0 Series** DVR is the ideal foundation for new security installations. With a maximum recording speed of up to 30 images per second, built-in multiplexer and PTZ functions, the **X0 Series** DVR replaces traditional analog Multiplexer / VCR combinations in both price and performance. Available in 4, 8 and 16 channel configurations, and delivering 10-200 days of video history storage, the **X0 Series** DVR is the affordable solution to your security needs.

DigiSpider

Digital Video Solution

Product Specifications

● Security Authentication

The DVR provides 3 level users: the supervisor; power user and user. The supervisor has all privileges. Supervisor can assign some functions to power user and user, such as what cameras they can view, whether they can start or stop recording etc.

● Display

- Screen layout: 1/4/6/8/9//10/13/16
- Rotating display: 1 or 4 windows
- Image resolution: selectable 720x480, 640x480, 320x240
- Display: adjustable: contrast /hue / brightness / saturation
- Display resolution: 1280 x 1024 pixels

● Record

- 640x480 recording rate
- Motion, Non-stop, Day-Night Mode, Pre-Schedule, Pre-Alarm, Post-alarm, Pre-motion and Post Motion recording.
- Wavelet / MPEG4 selectable

● Playback

- Search by camera date and time
- Object search, Index and Thumbnail search
- Toggle between 1-channel and 16-channel playback
- Maximum video clip is 5 minutes, but can be manually merge to larger video clip
- Manually drag the slider to fast forward or rewind
- Fast playback by 1,2,4,8 times normal speed

● Video Data Backup

Support for Windows XP burning software, directly burning files into CD media.

● Scheduling

The DVR can work with multiple schedule, such as what time to record in motion, what time to record in straight, and what time to have no record, etc.

● SRT (Smart Record Technology)

Smart-Record-Technology means the DVR can automatically assign more frames to the heavy motion channel.

● Point of Sale (POS) Integration

- Superimposed transaction data on the recording image
- Search video files based on POS transaction
- Use transaction keywords as search parameters
- Comparing transaction data to video for identifying fraud or unintended operational errors.

● System Log

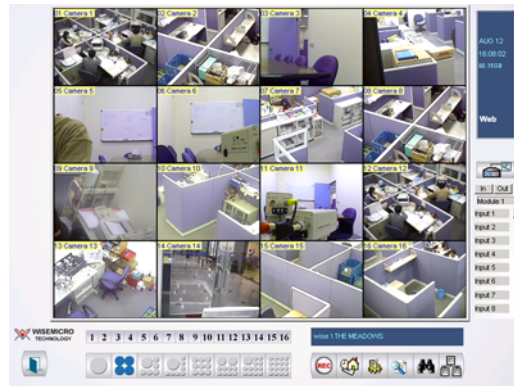
The System Log records major operational changes, sorted in five categories, into a database. You may browse all entries in the Live Log Browser, and click the entry to play back the associated video file, if available.

● Hotline Notification

- The DVR can dial 3 different phone numbers for event notification
- Each event can detach different pre-recorded voice file

● Email Notification

- Email can be sent to specific recipient
- An image of the event can be attached to the email.



● Digital Signature (Watermark Protection)

Watermark can be applied for all the recording video that prevents unauthorized modification

● Alarm

The DVR has optional I/O unit, can accept sensor inputs and output relay triggering signals. Each I/O unit has 8in/16out, and it's stackable to control more inputs and outputs

● PTZ Camera Support

- PTZ Dome to Preset Position On Alarm Activation
- Connection: RS485, RS422, RS232, depend on camera control interface.
- Supported models: Canon VCC4/VCC3, Pelco-P, Ademco, LiLin, Digi-Dome, Dynacolor, Sony, Panasonic, Mintron, Kalatel, SamSung, Sensormatic

● Built-in Modem Server

Even with telephone line, the DVR still can provide up to 16 channel remote access

● Built-in Web Server

- Management of multiple DVRs through a web-interfaced WebCam application
- Provides 2 different components LiveX and PlaybackX for live video access and recorded video playback
- Remote Access Log Database Over WebCam
- Provides bandwidth control over playback

● Built-in Central Monitoring Protocol

All the cameras' signal can be sent to monitoring center if you allow, which allows a possibility to build the low-cost center

● Enhanced Audio Processing

We use chipset-level audio processing, which won't occupy any CPU resources. Audio input channels of the DVR can be from 4 to 16 channels

● TV Out

The DVR provides video out to display image at TV with high quality

● AC-Back Function

DVR will automatically recovers everything, such as hook-up to the network and continue to record from power resume.

TECHNICAL SPECIFICATIONS

Electronic / Video

Input Voltage	100~240 VAC
Power Supply	200W standard
Signal System	NTSC/PAL selectable
Operating System	Windows XP
Recording Resolution	NTSC: 720×480 / 320×240 PAL: 720×588 / 360×288
Compression	Wavelet / Mpeg4
Compressed Image Size	320×240, 3kb 640×480, 9kb
Video Input	1 - 16 channels
Audio Input	1 - 4 channels
Video Output	SVGA×1, Video1

Mechanical

Connectors	Video input: BNC Audio input: RCA
PS/2 Mouse and Keyboard	6-pin miniDin
COM1	DB9
Monitor	DB15, SVGA
TV	RCA
Ethernet Port (100base)	RJ45

General

Operating Temperature	5~40 degree C (41~104F)
Relative Humidity	Maximum 85%
Desktop Dimension	16"×14"×6"
Unit Weight	23 lbs
Shipping Weight	29 lbs

Video Capture

Total Display	20 - 120 fps
Total Record	20 - 120 fps
Video Channel	4 - 16
Audio Channel	1 - 4
Compression	Wavelet or MPEG4
Compression Rate	300:1
Hard Drive Capacity	Maximum 200GB
Remote Live Video Access	132 users maximum
Remote Playback	132 users maximum
Remote Setup	1 user maximum

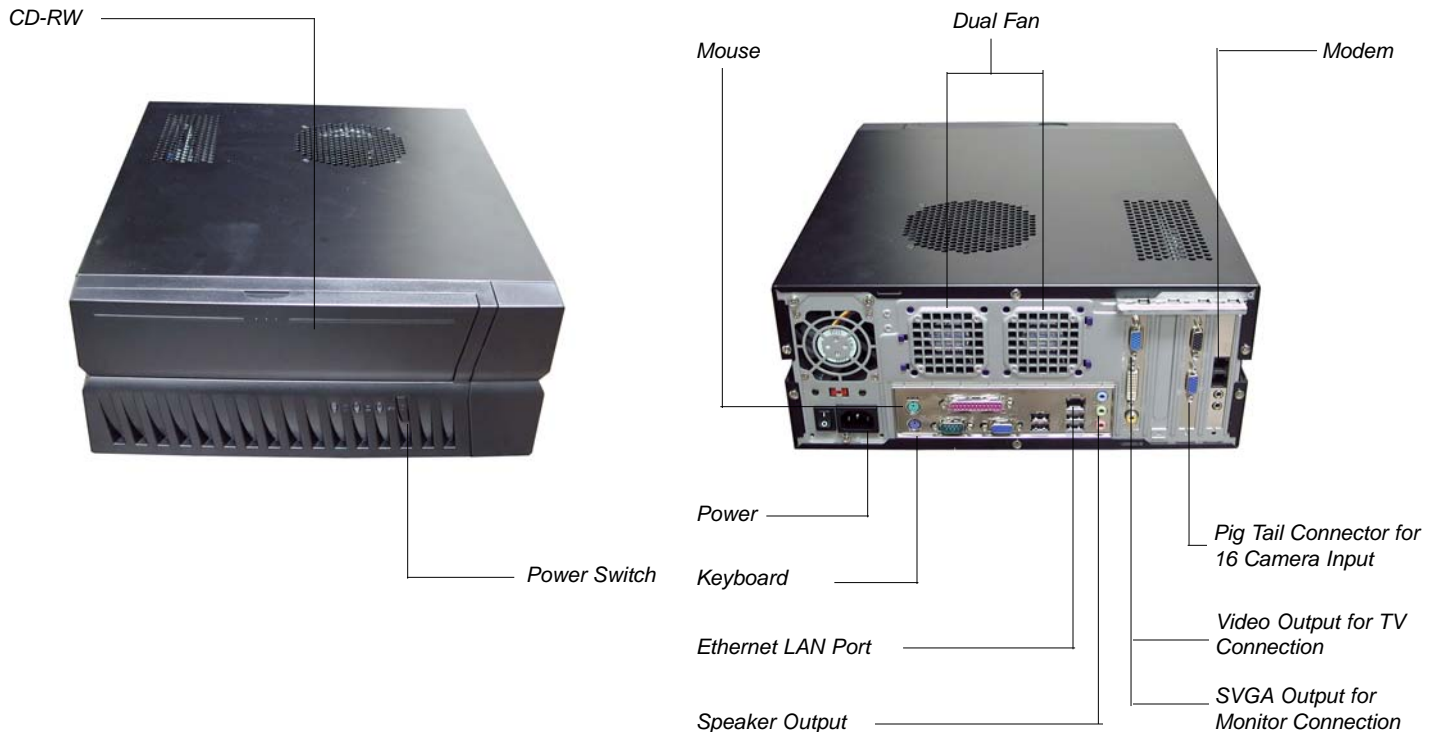
Average Video Data Size

320×240 3kb/frame
640×480 9kb/frame

Record Duration

See reverse page for detail.

Product Image



TECHNICAL SPECIFICATIONS

Models

Model	Camera Input	Audio Input	Total Display Rate (FPS)	Total Record Rate (FPS)	Storage Size (GB)	Record Duration (Day)
X0-816	16	4	120	120	200	6 - 30
X0-808	8	4	120	120	200	6 - 30
X0-804	4	4	120	120	200	6 - 30
X0-516	16	2	60	60	120	8 - 40
X0-508	8	2	60	60	120	8 - 40
X0-504	4	2	60	60	120	8 - 40
X0-408	8	1	30	30	120	15 - 75
X0-404	4	1	30	30	80	10 - 50
X0-254	4	1	20	20	80	20 - 100

Note:

- Storage calculation is base on average file size; actual file size and recording duration may vary.
- Average file size is base on 320x240 resolution.
- The small number of record duration is base on non-stop, and the large one is base on motion detect.
- Above data provide best quality at level 5, other choices from level 1 to level 4, might get longer record duration.
- For both storage and internet/intranet streaming, best video quality might be reduced if we select lower video quality.
- Contact our sales representative for additional assistance in calculating storage capacity for your application.

Supplied Accessories

Keyboard, PS/2 Mouse, Windows XP and DVR software. (Monitor **not** supplied with X0 series DVR.)

Optional Accessories

WA-LCD17 17" LCD monitor
WA-LCD15 15" LCD Monitor

Note: We recommend the use of Uninterruptible Power Supplies (UPS) for all DVR units.