



# EEDR16120 Product Specification

## EEDR16120 Series Digital Video Recorder Reliable, Embedded, Expandable, Affordable

### Product Features

- 1 - 16 Camera inputs per DVR unit
- Up to 120 frames per second
- Simultaneous playback and record of all cameras
- Embedded OS with Hard Disk protection utility for total reliability and stability
- Built-in digital motion detection with zone and sensitivity adjustments
- Built in Smart Search/AVI Archive feature
- Continuous, scheduled, or event based recording
- Live camera digital Zoom for greater flexibility
- Two way and remote voice capability
- Easy archiving of incidents on CDRW drive

The **EEDR16120 DVR** server is an **Essential Series Digital Video Recorder** that can record and playback video from up to 16 cameras at up to 120 frames per second simultaneously. The **EEDR16120 DVR** server is designed with mid to large scale operations in mind. The **EEDR16120 DVR** is designed on Windows XP Embedded platform making it the most reliable DVR in its class. The **EEDR16120 DVR** is fully upgradeable to 32 camera inputs, additional storage capacity as well as RAID capability making it the perfect solution for any large Financial Institutions, many Government Agencies, all Public School Systems as well as all Healthcare Facilities.

The **CSI's** exclusive software protection utility included with the **EVL16120 DVR** prevents any accidental or intentional corruption of the OS as well as protection against any permanent damage caused by viruses and malicious software. This utility furthermore provides protection for the stored video against unauthorized access and deletion. The **EEDR16120 DVR** is configured to record images from up to 16 cameras, 24 hours a day for more than 30 days\*. The images are stored in a secure data format and are easily retrieved through a built-in search function. Setup, search and backup functions of the DVR can easily be performed remotely. The access to the software is protected with user configurable passwords.

The images can be displayed in 1, 4, 6, 7, 9, 10, 13, and 16 windows format. Furthermore, the



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image windows can be shuffled around the screen for easier viewing. Each camera can be independently configured for recording type, speed, color control and motion detection zones. Each camera can be labeled in text as to its description and site location.

There is a 24 hour 7 day individual schedule available for each camera. There are 10 motion detection zones with sensitivity controls available for each camera.

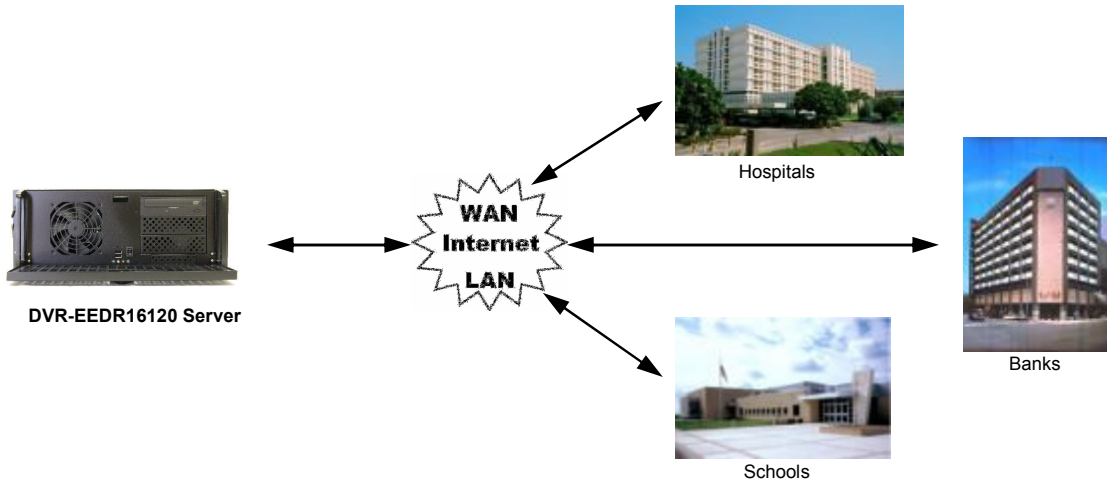
Each DVR unit is equipped with dedicated CDRW drive. The incidents can be archived onto non-corrosive CDR media for distribution as AVI format or compressed database for backup. The **EVL16120 DVR** is configured to support any USB backup medias such as USB Flash Memory Stick or external hard disks.

Included with the **EEDR16120 DVR** is a powerful Uninterrupted Power Supply (UPS) to provide clean power to the DVR and to ensure recording capabilities during power fluctuations and power brownouts.

The storage capacity of each DVR can be expanded to record more than 365 days based on frame rate and motion detection recording on all 16 cameras. The DVR is network capable and easily expandable to multiple units. The images from each DVR can be viewed from a remote PC through a secure, password protected interface software or directly through the Internet browser without additional software requirements via LAN or Broadband connection. Multiple user accounts can be setup for remote access. Different screens can be protected from access by users through limiting options for each user account.



# Application



The Embedded **EEDR16120 DVR** is designed with Banks, Hotels, Hospitals, Public Schools or any mid to large sized operation in mind. However with 32 channel upgradeability and using LAN configuration, there is no limit to the number of linked DVRs or the number of cameras attached making it suitable solution for any type of business .

CyberView Systems (CSI) has been a forefront in DVR technology. Our DVR product lines have been providing 24/7 surveillance for many nationwide businesses since 2000. CSI's DVRs are manufactured with the highest quality components from the very best manufacturers in the industry. These components are put through rigorous tests to ensure trouble free operation. Our professional staff will gladly custom design and configure a complete solution for your operation with a personal service and support after the sale.

# Technical Specifications

## Models

**DVR-EEDR16120** (4U Rackmount)

### Electrical/Video

Input Voltage 100-240 VAC, 50/60 Hz  
 Power Consumption 185 W standard  
 275 W W/maximum upgrades

Processor Intel Dual Core

**Memory 1000 MB upgradeable to 2000 MB**

**Storage SATA IDE 500 GB expandable to 4000 GB RAID (optional)**

Display Adapter ATI PCI-Express x16

Backup Drive CDRW drive

Communication Ethernet 10/100 for LAN or Broadband Internet

Signal System NTSC

Operating System **Windows® XP Embedded**

Recording Resolution 320 x 240, 720 x 480 pixels (NTSC)

Compression MJPEG, MPEG4, MPEG4+

Image Size 1K-7K based on compression

Video Input 16 at up to 120 fps/DVR

Video Output 15 pin SVGA for color monitor

TV Output 1 1 RCA for sequencing video (16 Ch)

TV Output 2 1 SVideo for graphic video Out

Operating Temperature 40°F to 80°F

## Mechanical

### Connectors

Video Inputs	BNC
Mouse & keyboard	USB
Com 1	DB9 M
Printer port	USB
Monitor port	DB15
TV out	RCA/SVideo
Ethernet port	RJ-45 (10/100)
Audio	1/8 jack for MIC/Line/Speakers

**Power Protection** Uninterrupted Power Supply

### Accessories

- Keyboard
- Mouse
- BNC to DB15 camera plug in cable
- Mouse pad
- Power cord
- Server Recovery & remote software & a blank CD

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\* Frame rate, camera specification, and environmental lighting will effect the recording capability as mentioned.