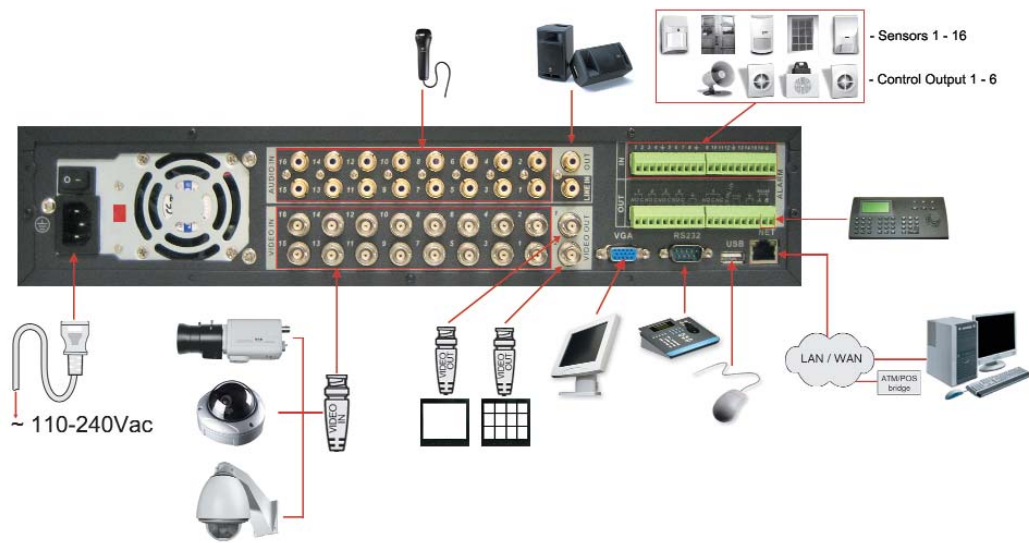


# WatchNET



### MULTI-LOCATION WITH CENTRALIZED CONTROL (CMS)

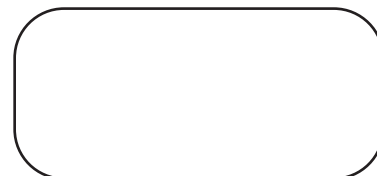
This application software requires that each location have a local dvr system and that all locations be connected via a local or wide area network (LAN or WAN). A PC with the central server software can then connect for remote observation; download recorded files with audio or system management. When further surveillance is required an optional text inserter for ATM or Point Of Sale is connected to the dvr, searching for video linked to the transaction data can be performed locally or via the network.



USA  
8676 Buffalo Ave  
Niagara Falls, NY, 14304  
Toll Free: 1-866-843-6865  
Local: 212-879-0748  
Fax: 212-879-0482

Canada  
351 Ferrier Street Unit 5  
Markham, ON L3R 5Z2  
Toll Free: 1-866-843-6865  
Tel: 416-410-6865  
Fax: 1-866-331-3341

Authorized Dealer:



# WatchNET

## INTEGRATED DIGITAL TECHNOLOGIES

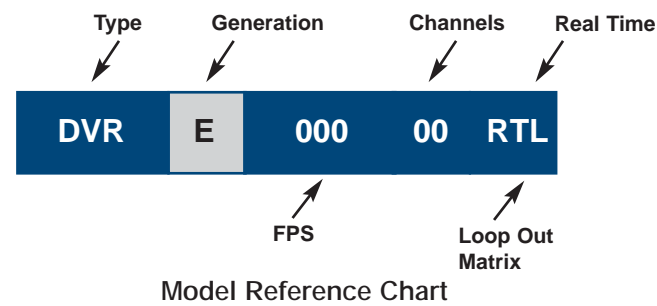


# e-Series III<sup>rd</sup> Generation Hi Res D1 DVR



Performance Delivered

# WatchNET



## Embedded DVR Technical Specifications

### Video

Video Input Ch	4, 8, 16 CH (BNC)
Input Level	Composite, 75 Ohm Balanced
Video Standard	NTSC / PAL
Main Monitor Output	1.0 V p-p Composite, 75 Ohm Balanced
Camera Name	Alpha Numeric
Monitor Multiplex Views	1, 4, 8, 16 Screen
Sequence Dwell Time	5-20 Seconds
Video Standard	NTSC-525 line / PAL-625 line
Display Speed NTSC/PAL	30/25 fps per channel

### Resolution

Viewing Resolution	Real time DI : 704X576
Mode	Manual/Motion Detection/Alarm Event
Motion Detection	192(16x12) grid area configurable, multi level detention

### TV Adjust

Screen Lock	Anemographic images, luminance, contrast configurable
Recording Resolution NTSC/PAL	Lockable screen for data security DI : 704X480/704X576 Real time CIF : 320X240

### Recording

Pre-Alarm	10 sec
Schedule	24 groups
Area Masking	Random size selection

### Audio

Input/Output Ch	4, 8, 16 (RCA)
Compression	ADPCM
Input Level	1.4Vp-p@20K ohm

### Storage

Internal storage	1 to 8 HDD
HDD Speed	7,200 RPM
Maximum Storage	3 Terabyte

### Alarm

Input	4, 8, 16
Motion Detection	Multi-level per channel

### Network

Remote Client	Multi-user
Web	Dynamic IP, DDNS/PPPoE, Built in web server
FTP	Support

### Operating system

Linux	Embedded
-------	----------

### Backup

Digital Backup	Removable HDD, CD-RW, DVD, USB (2.0)
Mirroring	Supported

### Monitoring & Recovery

Monitoring	Hardware & Software Watchdog
Recovery	Auto-Reboot

### Connections

Video Input	4, 8, 16 (BNC)
Monitor Output	2 (BNC) / 16 CH Loop Out / 4 CH Matrix
VGA Monitor	15 pins (female)
Serial Port-RS232	9 pin male DSUB
PTZ - RS485	2 pin Terminal Block, Half Duplex
Alarm Input	8 pin + 2 pin (GDN)
Alarm Output	3 pin x 4
Ethernet	RJ-45, 10/100Mbps
Audio In/Out	4, 8, 16 (RCA)

### Electrical

Power source	115/230 V AC, 50-60HZ
Rating	40-50 watts

### Environment

Operating Temp.	0°C to 55°C
Storage Temp.	-10°C to 60°C
Humidity	110-90 % RH, (non-condensing)

### Storage

Construction	Steel case - 19" rack mountable
Dimensions	440 (W) x 89 (H) x 460 (D) mm, 2 U size
Weight	7.5 Kg

## Embedded DVR Main Features

MPEG-4 / H.264 Compression  
 USB Mouse Input  
 Smart HDD Management  
 Redundant Data Storage  
 HDD Standby  
 Graphic User Interface  
 D1 Quality Viewing/Recording  
 Built in alpha Numeric Keypad  
 Full Mouse Control Operation  
 Real time 30 fps / Ch - Recording  
 Real time 30 fps / Ch - Display  
 LINUX - Operating System  
 Audio Recording - 16 channel  
 Monitor Outputs - 2  
 VGA Output - 1  
 Network Enabled  
 Multiple Clients

Video Loss Alarm  
 Built-in CD / DVD - RW  
 Backup - Event / Mirroring  
 NTSC / PAL Compatible  
 Multiple HDD - up to 3TB  
 Time Synchronization  
 Search - Time / Event  
 Alarm Input per channel  
 Alarm Relay outputs - 6  
 Pre-Alarm Recording  
 Trans-coding Compression  
 Monitoring Watchdog  
 Recovery - Auto reboot  
 PTZ Camera Control  
 CCTV keyboard - option  
 Area Masking Function  
 DDNS/PPPoE Support  
 FTP Alarm Backup



### COMPLETE STAND-ALONE SYSTEM

This stand-alone configuration shows typical set up of a system:

- 1 to 16 Cameras
- Remote Control
- Spot Monitors
- ATM / POS Connection
- Full mouse control operation
- Remote Monitoring
- PTZ Camera and Control
- Call monitors