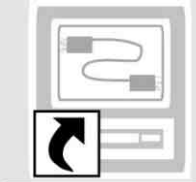
## MAIN FEATURES

- Easy to navigate menus, simple setup
- Duplex Mode (Simultaneous Recording & Playback)
- Advanced Proprietary Compression Engine
- Record Speed Up to 60ips, Full Looping
- Single-channel Audio Recording
- Quick and easy Search Modes
- Controls most Speed Domes
- Remote Access Available
- Easy Installation

USB Interface for Easy Archiving
- Export Video clips to Zip Disk
- Portable storage for viewing on any PC
- No software is required to view
- Images are encrypted for security

| | 1 Channel | 4 Channel | 9 Channel | 16 Channel |
|---|---|---|---|---|
| 40 Gb | FA-DVR1040e | FA-DVR4040e | FA-DVR9040e | FA-DVR16040e |
| 80 Gb | FA-DVR1080e | FA-DVR4080e | FA-DVR9080e | FA-DVR16080e |
| 120 Gb | FA-DVR1120e | FADVR4120e | FA-DVR9120e | FA-DVR16120e |


**Remote Viewing Software**
- Easy Setup
- View live and prerecorded video
- Archive an event- send it by email
- View hundreds of DVRs at the push of a button
- Download it from our website - It is FREE!



**IRAS Server**

- Instantly check the status of remote DVR's
- Easily administer remote sites
- Save remote configurations to a local computer
- Simultaneously update multiple remote sites
- Perform automatic system checks

**IRAS Search**

- Easily search by Date, Event or Camera
- Saves pictures as video or still images
- Playback from one site while watching Live video from another
- Digitally zoom recorded images

**IRAS Watch**

- View virtually any combination of 16 remote locations on a single screen
- Sequence through up to 256 remote Sites automatically
- Pan, Tilt and Zoom cameras in real time
- Adjust Brightness, Contrast, Saturation And more

**ATV's new digital compression technology lets you record longer in the same disk drive space, with the same high qual**


## Better Compression means:

Better Value: You can use a smaller HDD to record more
More Reliable: Less stress on your HDD, because it is used less often
Faster refresh rate at low network speeds
Less bandwidth needed for remote viewing
Faster HDD access, quicker access to playback

One Month RecordersRecording at VHS quality,the following models are "One Month Recorders" recording at one image,per camera, per second:

FA-DVR4040e
(4 Channel, 40 Gb)

FA-DVR9080e
(9 Channel, 80 Gb)

FA-DVR16120e
(16 Channel, 120 Gb)

## Continuous Recording:

**Sample Recording Times**
This chart shows recording durations (in days) based on recording 100% of the time without using any form of motion based recording.

This is considered a “worst case” example; in most situations, your recording durations will be longer.

**Recording Time in days without using Motion Detection**
at one image, per camera, per second

| | ***HDD Size*** | 4 CHANNELS | 9 CHANNELS | 16 CHANNELS |
|---|---|---|---|---|
| Low Resolution Days of Recording: | | | | |
| FILE SIZE 2K | 40 Gb | 58 | 26 | 14 |
| | 80 Gb | 116 | 51 | 29 |
| | 120 Gb | 174 | 77 | 43 |
| Standard Resolution Days of Recording: | | | | |
| FILE SIZE 3K | 40 Gb | 39 | 17 | 10 |
| | 80 Gb | 77 | 34 | 19 |
| | 120 Gb | 116 | 51 | 29 |
| High Resolution Days of Recording: | | | | |
| FILE SIZE 7K | 40 Gb | 17 | 7 | 4 |
| | 80 Gb | 33 | 15 | 8 |
| | 120 Gb | 50 | 22 | 12 |
| Very High Resolution Days of Recording: | | | | |
| FILE SIZE 18K | 40 Gb | 6 | 3 | 2 |
| | 80 Gb | 13 | 6 | 3 |
| | 120 Gb | 19 | 9 | 5 |

## Motion Based Recording:

This chart shows recording durations (in days) when motion recording is used. This example is based on recording 20% of the time (when triggered by motion events.)

This example would be a typical office setting or retail location that is open 8-10 hours per day. Even businesses that are open 24 hours per day with a lot of motion rarely exceed 50% recording using motion detection.

**Recording Time in days using Motion Detection**
at one image, per camera, per second

| | ***HDD Size*** | 4 CHANNELS | 9 CHANNELS | 16 CHANNELS |
|---|---|---|---|---|
| Low Resolution Days of Recording: | | | | |
| FILE SIZE 2K | 40 Gb | 290 | 130 | 70 |
| | 80 Gb | 580 | 255 | 145 |
| | 120 Gb | 870 | 385 | 215 |
| Standard Resolution Days of Recording: | | | | |
| FILE SIZE 3K | 40 Gb | 195 | 85 | 50 |
| | 80 Gb | 385 | 170 | 95 |
| | 120 Gb | 580 | 255 | 145 |
| High Resolution Days of Recording: | | | | |
| FILE SIZE 7K | 40 Gb | 85 | 35 | 20 |
| | 80 Gb | 165 | 75 | 40 |
| | 120 Gb | 250 | 110 | 60 |
| Very High Resolution Days of Recording: | | | | |
| FILE SIZE 18K | 40 Gb | 30 | 15 | 10 |
| | 80 Gb | 65 | 30 | 15 |
| | 120 Gb | 95 | 45 | 25 |

## VIDEO

| | |
|---|---|
| Signal Format: | NTSC or PAL, Selectable Switch |
| Video Input: | Composite: 1 Vp-p, Full looping Auto Terminating, 75 ohms<br>Multi Channel: BNC Inputs<br>Single Channel: SVHS or BNC |
| Video Output | Composite: One each, 1Vp-p, 75 ohms, BNC<br>SVHS: One each |
| Video Resolution: | 720x480 (NTSC), 720x576 (PAL) |
| Playback/Record Speed<br>Simplex Mode:<br>Duplex Mode | <br>60 ips (NTSC), 50 ips (PAL)<br>30 ips (NTSC), 25 ips (PAL) |

## INPUT & OUTPUTS

| | |
|---|---|
| Alarm Input: | 1 per camera |
| Alarm Output: | 2 |
| Alarm Reset Input: | 1 dry contact |
| Internal Buzzer: | 80db at 10cm |
| Network Connectivity: | 10/100 Mbit Ethernet, RJ45 |
| Audio Input: | 1 line or mic (progammable) |
| Audio Output: | 1 line |
| -Single Channel Only- | |
| One Shot Recording: | 1 dry contact |
| Trigger Out: | 1 dry contact |
| Record Start In/Out: | 1 dry contact |

## CONNECTERS

| | |
|---|---|
| Audio In/Out: | 1/1, RCA |
| Alarm In/Out: | Single Channel: Terminal Block<br>Multi Channel: Connector Board |
| Ethernet Port: | 10/ 100 Mbit, RJ-45 |
| RS-232 Serial Port: | DB9 Connector |
| RS-485 Serial Port: | Single Channel: Terminal Block<br>Multi Channel: Connector Board |

## SYSTEM

| | |
|---|---|
| Operating System: | Linux Based |
| RAS Software Compatibilty: | Windows 98, 2000, XP |

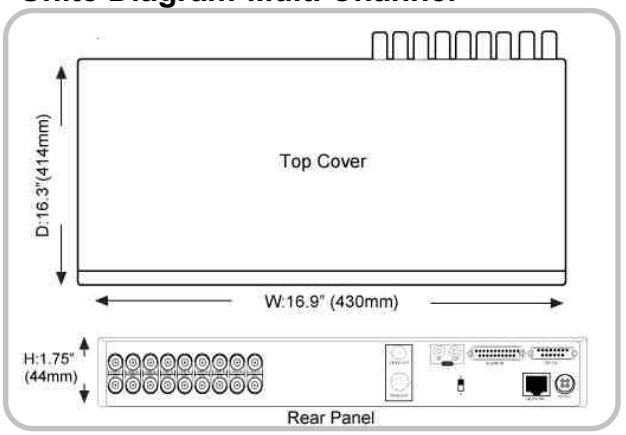
## ELECTRICAL

| | |
|---|---|
| Power: | Multi Channel:12VDC, 6 amps (max.)<br>Single Channel: 120-240 VAC |
| Approvals: | UL, FCC, CE |

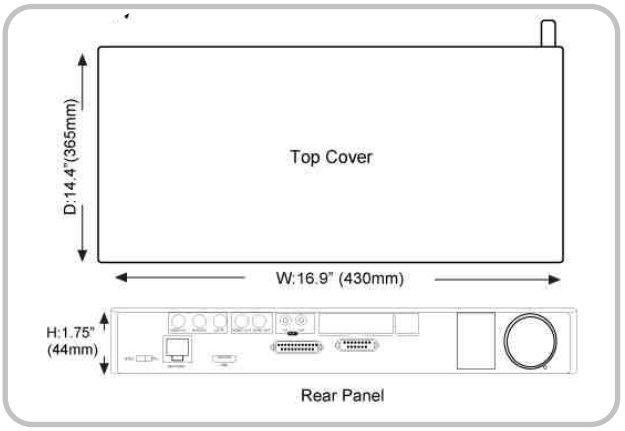
## MECHANICAL

| | |
|---|---|
| -Dimensions-<br>Multi Channel Unit: | <br>16.875” x 1.78” x 16.3”<br>428.6mm x 45.2mm x 414mm |
| Single Channel: | 16.875” x 1.78” x 14.4”<br>428.6mm x 45.2mm x 365mm |
| Weight: | 18.7 lbs / 8.5 Kg |

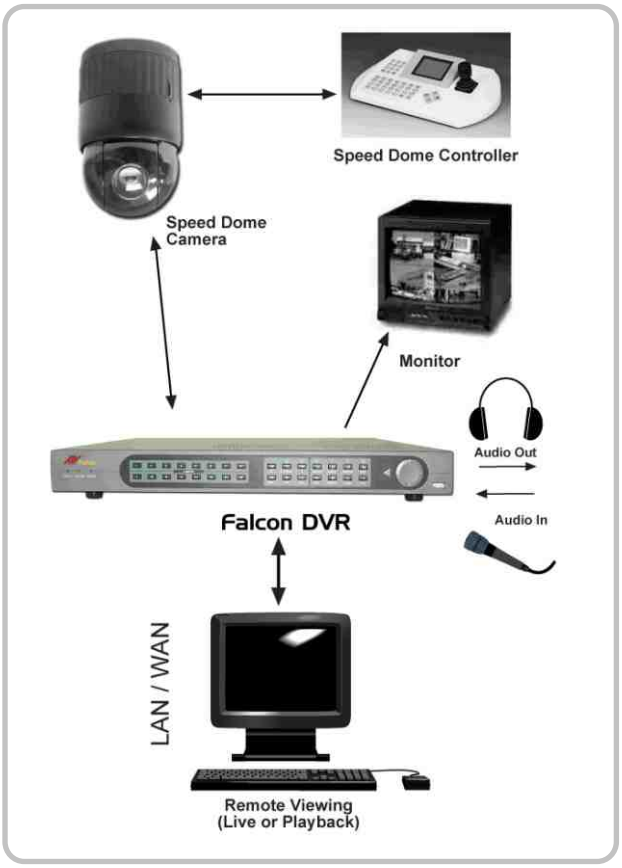
## Unite Diagram-Multi Channel




## Unite Diagram-Single Channel




## System Diagram




## STORAGE

| | |
|---|---|
| Primary Storage: | EIDE HDD |
| Secondary Storage: | USB |
| Available HD Sizes: | 40, 80 or 120 Gb |