

# Do You Know? Video Surveillance



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- **Video Surveillance is very powerful and effective security measure in comparison to others.**
- DVR can replace your switcher, multiplexer, quad, VCR, PIR motion detectors etc.
- **Real time recording makes your DVR ownership cost high and require utilization of more hardware resources in all respect i.e. Computing power, RAM, Hard Drive, Graphic display, Power supply etc**
- Image quality remains same in real time or time lapse recording.
- Selection of different recording frame rate feature is available in most of the software. This feature makes possible to increase or decrease recording time.
- Compressed frame file size depends on quality of image, resolution of image and compression technique used.
- **Normal PC and it's components are not designed for 24 x 7 operation**
- Hardware compression card utilizes less computer resources, have crisp image display and recording.
- All components in PC generate heat, poor thermal management results in frequent hanging problems and early components failure. Go for big cabinets fitted with adequate numbers of cooling fans.
- Under rated power supply results in frequent hanging problem and malfunction of system.
- **Due to cut throat competitions most of suppliers use under rated or marginal components to save cost, end results is poor reliability of the system.**
- Properly rated UPS is a prime requirement for operating computer. Hard drive failure, software corruption and data loss are common problem without using UPS
- **Your DATA is precious for your business and your life and it can't be rebuild or recovered. You should take all types of precautions to make safe your data by using latest available technologies and adopting best practices for making regular backups.**

- Be sure to install up to date anti virus software before connecting DVR to Internet, mostly virus and Spy ware are using your bandwidth and make system slow.
- Most of commercially available software applications and operatingm are available under license. Do not use illegal software otherwise it may lead to trouble.
- **SV-35 series hard drives are specially designed for 24 x 7 video surveillance system and high write duty cycle.**
- Prefer to install few high capacity hard drive instead of more low capacity drive. It increased your system reliability and power efficiency.
- **Generally you can not increase hard drive and DVR card in your system as and when required, you should have sufficient number of IDE and SATA port to attach more hard drive and free PCI slots for additional DVR card. Your power supply should have sufficient power rating to supply power to additional hard drive and DVR cards. Your cabinet should also have sufficient space for accommodating additional devices along with free air flow space and cooling arrangement.**
- **Embedded Stand alone DVR is more reliable in comparison to PC-based because of dedicated firmware free from viruses and o.s file corruption.**
- Embedded Stand alone DVR is not very feature rich in comparison to PC-based DVR
- To fix your video surveillance requirement, you requires a detailed discussion with your supplier about available products, technology, data backup, power backup, reliability, up gradation etc. before making any buying decision
- **Selection of proper types of Camera, lenses and housings are very important for good video surveillance system. Indoor and outdoor locations, lighting conditions and environment are the important criteria for selecting these components.**