

## DVR / NVR



We are into the surveillance business from more than two decades and having an experience to suggest and implement the right device for consumer which value for money **Digital Video Recorder** is the key device which records your whole event with different different features. We have multiple solutions from middle segment user to high end user with art of the design features and ultimate solutions.

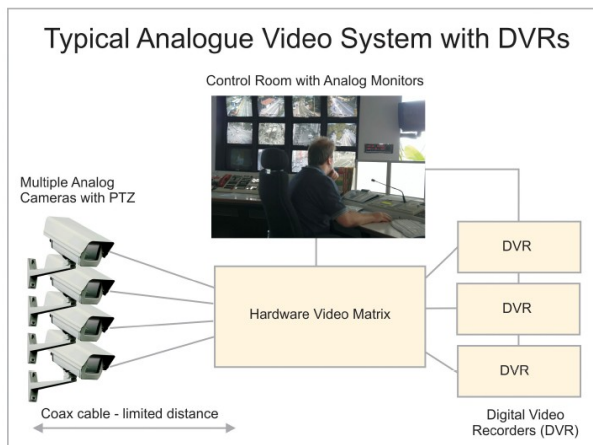
DVR is available in two types i.e. PC Based and Non-PC Based. We are well-reputed as the most eminent DVR Manufacturer and Exporter from India. The working technique of the DVR-Digital

Video Recorder has attracted various national as well as international clients to place bulk orders. Additionally, some of the noteworthy features of the Security Digital Video Recorders are as listed below:

- Display and save sales transaction data and images.
- Search by date, time, transaction type, sales items, etc.
- Statistical sorting-out of sales transaction data.
- Remote display and management through network.

### Digital Video Recorder

DVR is technical terms used to describe Digital Video Recorder, which is kind of multimedia digital data processing and storage system widely applicable in security industry. DVR includes most of all functions available in former analog recording system, such as a tape recorder, VCR, or time lapse recorder. Further DVR has a function of remote monitor and control over the network, data transmission, and image search in digital way, which we could not even imagine in conventional type of surveillance equipment.



### PC-based DVR

According as amazing growth in computer hardware and software industry, image processing and storage device based on existing technology of computer was developed and launched in the market with a name of PC-based DVR just before millennium year 2000, and many companies entered into competition to develop more reliable PC-based DVR with high performance to be a forerunner in this field. PC-based DVR is a DVR basically includes PC system, hardware and operating system, with encoding and recording card, and it was a representative product to push conventional type of analog security equipment in the world security market.

### Non-PC based DVR

Non-PC based DVR (or referred to as Stand-alone DVR) is very much different from PC-based DVR, and it does not include all of PC components but just includes a board and software specially designed to have a functions required as digital video recorder. Stand-alone DVR is very stable in operation, and provides most all of functions

Available in PC-based DVR and conventional analog CCTV devices.

Current production cost of Stand-alone DVR is relatively high compared with PC-based DVR, because stability and reliability of PC-based DVR is not good enough as a security devices, and price is too high due to including full set of PC system, it causes appearance of stand-alone DVR which excluded PC hardware and OS for PC.

Stand-alone DVR is still fairly new in the market and overall production volume is not so big as PC-based DVRs. We are sure Non-PC based DVRs shall be very popular in the market soon, and unit price can be decreased so much that it may be in a stronger position in competition with PC-based DVRs in terms of not only performance and stability but also price competitiveness. PC-based DVR created DVR market first and stimulated people in conventional CCTV industries to be with DVRs, but more and more stand-alone DVRs push conventional analog CCTV devices away from the market and started to take a position of conventional surveillance device. That is why recent growth rate of stand-alone DVRs is much high than PC-based DVR.

- Constructing single-net of all local areas
- Real-time management at main station
- Convenient control in image & data searching when the accidents happen
- Powerful support to investigate financial data, event record in occurring accidents
- Realization of force management at main station including door open/close, power on/off, etc.

### NVR

It is important to differentiate between DVRs and NVRs, as both are often termed 'digital'. A DVR digitally compresses analogue video feeds and stores them on a hard-drive, the term 'digital' referring to the compression and storage technology, not the transmitted video images. The DVR therefore has to be located near the analogue feeds. In contrast an NVR stores digital images directly from the IP-network.

Therefore the most obvious difference between the DVR and NVR is that whereas the DVR records from analogue streams provided from analogue cameras the NVR records video streams that have already been encoded at the cameras. Thus you find no video connectors anywhere on a NVR; it's input and output is IP data comprising compressed and encoded video. This will typically be in MPEG-4 format which has enjoyed widespread adoption in the CCTV industry as the current compression technology of choice, due largely to its efficiency.

