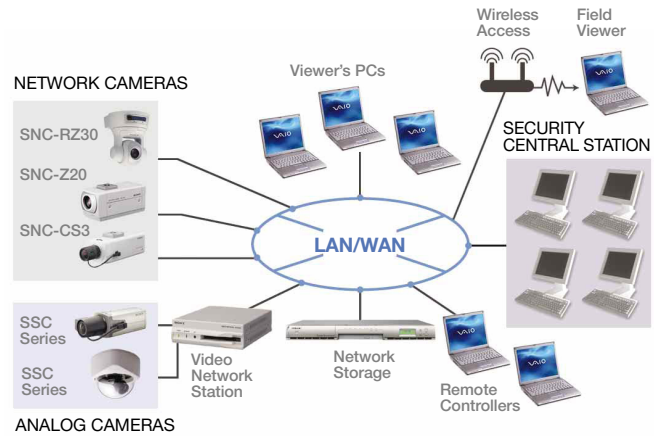
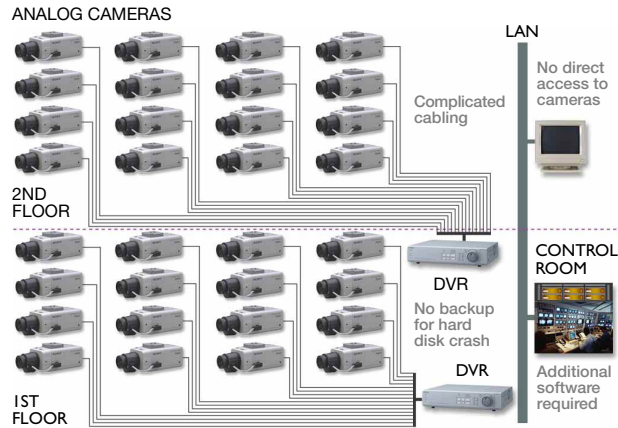




Traditional (CCTV) Security Monitoring

vs.

Sony IP Video Monitoring System



The traditional system of Closed Circuit Television (CCTV) with its analog-to-digital approach of connecting cameras to Digital Video Recorders (DVRs), depends on single-purpose cameras, cables, recorders and monitors which results in a host of limitations:

Sony IP Video Monitoring utilizes cameras with built-in web servers and Ethernet ports, running on an IP network, which generate high-quality images that can be accessed, monitored, recorded and printed anywhere in the world. The benefits are impressive:

COMPLEXITY. Analog-to-digital requires dedicated point-to-point cabling which makes installation, expansion and maintenance both cumbersome and expensive.

SIMPLICITY. All cameras connect to the network via simple, cost-effective Ethernet, leveraging the LAN infrastructure you may already have, saving both time and money.

LACK OF CONTROL. Although the analog-to-digital approach offers access to monitoring images over the IP network, it relies heavily on the DVR for both recording and IP access.

CONTROL. Powerful centralized or distributed control—users can configure the system the way they want. One server with one software application can run the entire system.

RISK OF HARD DISK CRASHES. Traditional analog-to-digital technology exposes users to the possibility of losing video recordings when a crash occurs.

RELIABILITY. Videos are protected against hard disk drive crashes by RAID redundancy¹, the option of tape backup storage via SCSI connectivity or using Storage Area Networks (SAN).

LIMITED SCALABILITY. Systems are limited in expansion by a typical input capacity of the analog multiplexer or DVR which commonly host a maximum of 16 camera inputs at a time.

SCALABILITY. Adding additional cameras is easy with no need for cabling. Servers are fully open to future upgrades with faster processors, larger disk drives and more.

LIMITED MOBILITY. Since all video cables are by specific location, moving the video equipment for the purpose of upgrading to another location is not an easy task.

WIRELESS CAPABILITY. Using wireless technology IEEE 802.11 replaces the need for cable installation for video and control so there is a drastic savings in both time and money.

LIMITED REMOTE ACCESS. There is no direct access to any camera from any client. Cameras can only be accessed indirectly through the DVR.

REMOTE ACCESS. Any authorized client (up to 50 simultaneous clients) can have direct access to any camera for monitoring and control from all over the world.

RISK OF LOSS. Recordings are often stored in the same location as the surveillance system which could result in the loss of crucial evidence in the event of tampering, break-in, etc.

SECURITY. Permission levels can be set for each System Administrator. Recordings are not stored in the same location as the cameras reducing the chance of loss due to theft, fire, etc.

LIMITED RECORDED PICTURE REFRESH QUALITY. Typical DVR's are time division multiplexed so that the record refresh is limited by the global recording refresh capability.

PICTURE QUALITY. Sony's long experience in the video and broadcast industries shows in the quality of the video images delivered.

LIMITED TECHNOLOGY. The limited capabilities of analog-to-digital does not allow for bi-directional audio communication.

AUDIO CAPABILITY. Bi-directional audio communication over networks allows users to hear and talk.

¹RAID redundancy must be configured.