RealShot

SONY

Sony IP Monitoring
SOLUTION PACKAGE

Sony, a leader in audio and video and delivery systems has developed an end-to-end, IP monitoring solution. The Sony IP Monitoring Solution is advantageous in a variety of markets including; medical, transportation, enterprise, retail, education and government.

Sony introduces IP monitoring packages to the distribution channel for integration and resale across broad market segments to IP monitoring customers.

Key Advantages

Manageability

- Easy network installation
  - Direct ethernet connection
  - All-in-one package solution
    (Cameras + Network Video Recorder)
- Central control by Real Shot Manager™
  - Control cameras, storage, clients *(PC's and PDAs)* connected to the network

Affordability

- Reduce surveillance installation and manpower costs versus CCTV security
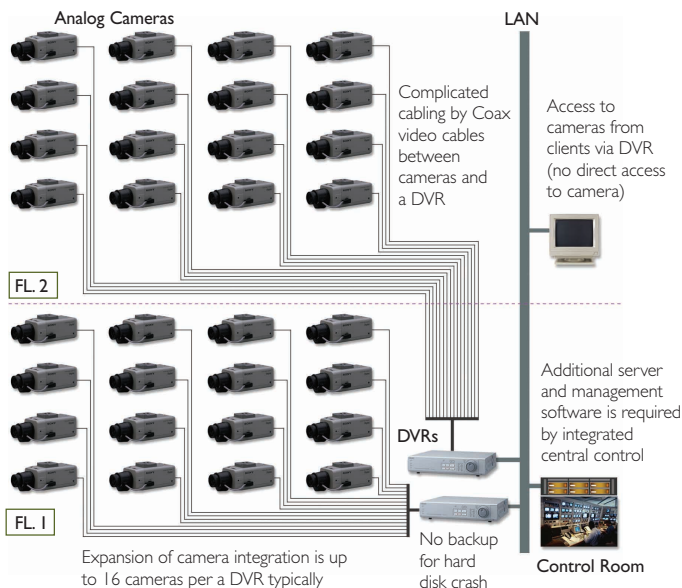- Improved security reduces cost to cover losses from theft and accidents

Reliability
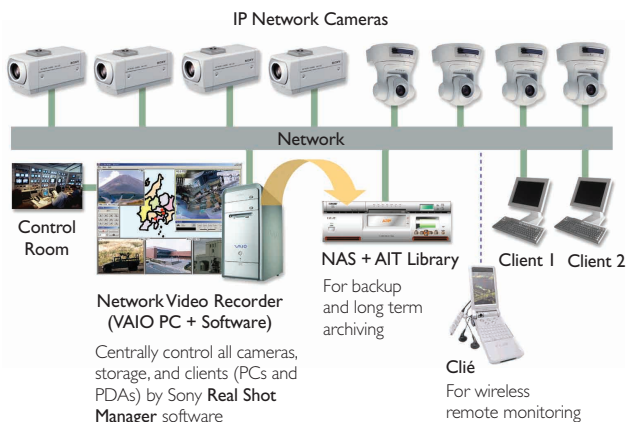
- Sony IP Camera and storage server industry proven

Scalability

- Wireless LAN Connectivity

Problems on Current CCTV Backend Digital System
Case Study for 2-story building

Analog Cameras

LAN

Complicated cabling by Coax video cables between cameras and a DVR

Access to cameras from clients via DVR (no direct access to camera)

FL. 2

Additional server and management software is required by integrated central control

DVRs

FL. 1

Expansion of camera integration is up to 16 cameras per a DVR typically

No backup for hard disk crash

Control Room

IP Monitoring Solution by Sony

IP Network Cameras

Network

Control Room

Network Video Recorder
(VAIO PC + Software)

Centrally control all cameras, storage, and clients (PCs and PDAs) by Sony **Real Shot Manager** software

NAS + AIT Library

For backup and long term archiving

Client 1   Client 2

Clié

For wireless remote monitoring

All hardware and software devices are connected to network and provided by Sony!

Real Shot Manager ™
(Management Software)

With a range of innovative network-ready products, Sony has expanded the options available to the world of networked video monitoring applications. Sony's Real Shot Manager builds on this experience and allows professionals in many fields such as security, industry, retail, and human resources to build a powerful multi-camera video monitoring system that runs over a computer network. This brings a host of benefits ranging from efficient inventory management to loss prevention/ shrinkage containment and lower costs of network ownership.

What is Intelligent Monitoring Software?

Sony's Real Shot Manager is management software for video monitoring over IP (Internet Protocol). It greatly expands the capabilities of a company's network monitoring system and makes it easier than ever to manage and administer a complete digital video system.

With the installation of the Real Shot Manager software, a PC becomes an advanced yet simple-to-operate "command center" for Sony video network cameras* and servers—enabling and facilitating remote control, monitoring and recording of up to 32 video cameras.

Expand Your Network Monitoring System

Intelligent Monitoring Software allows existing video networked surveillance systems to be expanded, both quickly and at low cost, by adding extra video network devices such as cameras and file servers. Depending on the network infrastructure, the Real Shot Manager software can be set up as an individual control station for local monitoring and recording—and simultaneously act as a base for a centralized IP-based video surveillance system connecting multiple sites.

*   **Real Shot Manager is compatible only with Sony SNC Series network cameras and Sony SSC Series surveillance cameras used with the SNT-V304 network station.**

FEATURES

CUSTOMIZED LAYOUTS   [FIG. 1]

The Real Shot Manager software features an intuitive and user-friendly interface that can be personalized in order to match your own requirements and preferences. The *"Layout Editor"* is a powerful feature that creates customized site layouts and allows you to insert backgrounds *(e.g. a floor plan)*, icons *(which can be associated with a specific camera or monitor)* and company logos.

"Action Areas" can be created and utilized to switch to a new layout such as when you want to zoom in on another area in a different wing of an office building or the opposite platform of a railway station. In addition, monitoring windows can be added and scaled to the layout that best suits your needs.

FLEXIBLE RECORDING

The Real Shot Manager software is the ultimate choice for those networked surveillance applications where it is vital to record accurate and dependable video of what is occurring. This feature is unique due to its choice of flexible recording modes: Manual, Scheduled and Alarm/Pre-alarm recording. Video images can be recorded using a networked video surveillance system thanks to the Real Shot Manager software.

MANUAL RECORDING

With this mode, the user-defined operator can initiate a recording at any time for any selected camera. The camera then records at a defined refresh rate, resolution and quality.

SCHEDULED RECORDING   [FIG. 2]

This mode enables the operator to schedule the recording to commence for any selected camera or group of cameras. There is virtually no limit to the number of scheduled items you can select—you can record the detail you want, when you want it, simply by adjusting the refresh rate resolution and quality.

ALARM AND PRE-ALARM RECORDING

This option enables alarm sensors to be configured either per camera or by camera group and are set up to be active in the schedule to record more detail at the time an alarm sensor is triggered.

SEARCH RECORDING   [FIG. 3]

The *Search Recording GUI (Graphical User Interface)* makes it quick and easy to retrieve a specific recording. The calendar displays all recordings made *(per camera or camera group)* so you can see when and what kind of recording was made and then filter these recordings by time/date, alarm events and/or inserted comments. Thumbnail, preview images can also be displayed to make searching even easier and effective.

LAYBACK DURING RECORDING

Recording and playback can be performed simultaneously, so previously recorded images can be viewed while continuing to record.

CAMERA MANAGER

The *Camera Manager* helps you to fine-tune your digital video system according to your needs and available bandwidth. Each individual camera can be added to a specific group and configured for optimal performance by setting default refresh rate, resolution and quality.

HIGH FRAME RATE MONITORING

High quality images captured by Sony's powerful network cameras can be monitored with a high refresh rate. For example, images captured from four SNC-RZ30N cameras can be refreshed at a maximum frame rate of 30 fps.* In addition, images from 32 sources can be simultaneously recorded at a maximum frame rate of 30 fps* with CIF *(Common Intermediate Format)* image size.

PAN/TILT/ZOOM *(PTZ)* CONTROL AND PRESET FUNCTION

Sony's Pan/Tilt/Zoom network cameras can be remotely controlled from the Real Shot Manager via a network. Digital zoom and digital pan/tilt can also be operated for cameras that do not feature built-in pan/tilt capability. You can set up a maximum of 16 camera preset positions and names.

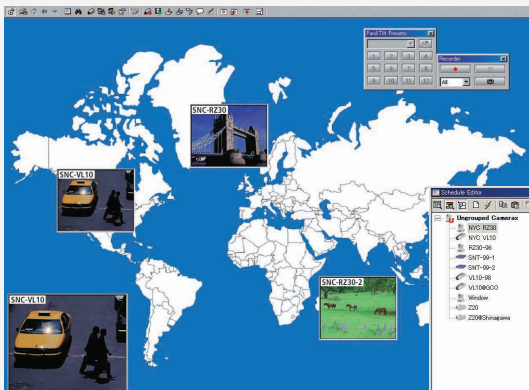* **In order to achieve the maximum frame rate, an adequate network environment is required.**
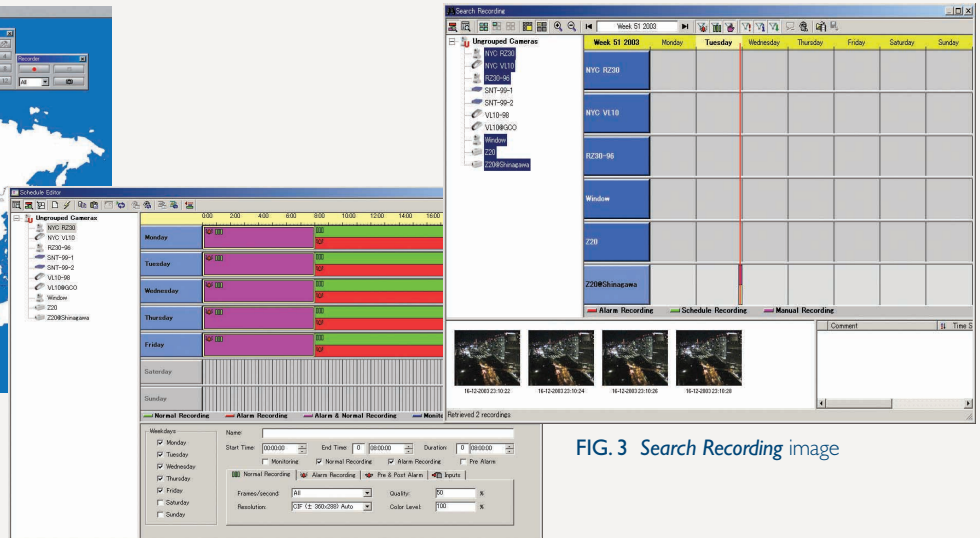

FIG. 1 *Layout Editor*—customized layout image

FIG. 2 *Scheduled Recording* image

FIG. 3 *Search Recording* image

OTHER FEATURES

TIME-STAMPED COMMENTS
Operators can log events in case anything notable occurs by editing a comment during monitoring. Comments can be linked to a camera with a given priority and time stamped for easy logging.

USER PRIVILEGES
Sophisticated security functions are incorporated in the software to help manage multiple users. The administrator can define user groups, add users, set privileges per user/group and set up user access to specific camera groups.

CUSTOMIZED LOGGING REPORTS
In the event of a system problem, the logging window makes it easy to determine the cause. By selecting the items you want to monitor, trouble-shooting is made easy.

BUSINESS MODELS

ALL-IN-ONE PACKAGES
There are three all-in-one IP Monitoring packages available to match the various requirements and configurations of small to medium sized installations. Each configuration comes with four IP cameras plus one Network Video Recorder with Real Shot Manager with four camera licenses pre-installed.

Sony Model No.	Package Configuration			
	SNC-Z20N	SNC-RZ30N	SNC-CS3N	NVR-IP4
SNP-RZ30N/4	–	4	–	I
SNP-Z20N/4	4	–	–	I
SNP-CS3N/4	–	–	4	I

NETWORK VIDEO RECORDERS
For customized installations, there are four Network Video Recorder models available with licenses to cover the number of IP cameras installed. Customers can select from between 1–32 PZT or Fixed Cameras from distribution for integration into a customized IP monitoring installation.

Sony Model No.	Description
NVR-IP4	Sony Network Video Recorder with 4 camera licenses
NVR-IP9	Sony Network Video Recorder with 9 camera licenses
NVR-IP16	Sony Network Video Recorder with 16 camera licenses
NVR-IP32	Sony Network Video Recorder with 32 camera licenses

IP NETWORK CAMERAS

Sony SKU's	Description
SNC-Z20N	Sony Fixed IP Network Camera
SNC- RZ30N	Sony PTZ IP Network Camera
SNC-CS3N	Sony Low-cost Fixed IP Network Camera

ACCESSORIES
Outdoor clear dome housing, indoor pendant mount clear dome housing and more!

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