

Greater Precision and Dependability in Surveillance Technology

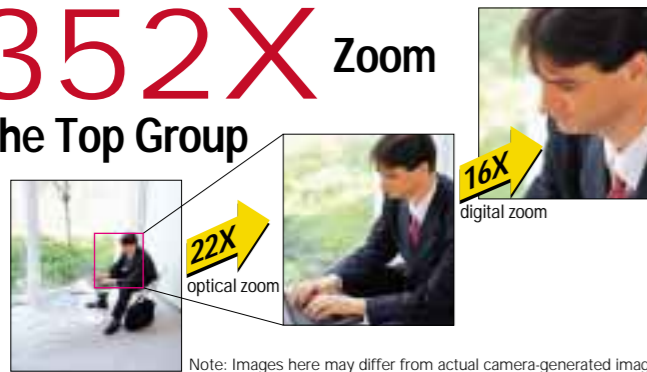
Quality Features the SANYO Brand Is Known For. Extended Features Lending Greater Flexibility.

Super High Resolution of More than **520** TV Lines



With a built-in auto-focus zoom lens, the high-performance VCC-9400P and VCC-ZM400P allow for greater accuracy in monitoring of activities in a wide range of environments. This is combined with the superior clarity and sharpness of digital imaging achieved by SANYO's newly developed digital signal processing system for an industry-leading horizontal resolution of 520 TV lines.

Maximum **352X** Zoom Function in the Top Group of Its Class

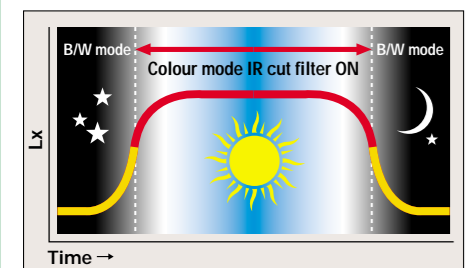


Note: Images here may differ from actual camera-generated images.

The 22X optical zoom and 16X digital zoom can be combined for close-ups at a magnification power of 352X. This allows even distant subjects to be observed in detail, enabling one camera to monitor a wider area.

DAY / NIGHT Both day and night use in the same camera

Proprietary auto-switching infrared cut filter



As the camera senses the amount of light in the viewing area, it automatically turns the IR CUT FILTER on and off as required. As more precise colour reproduction is

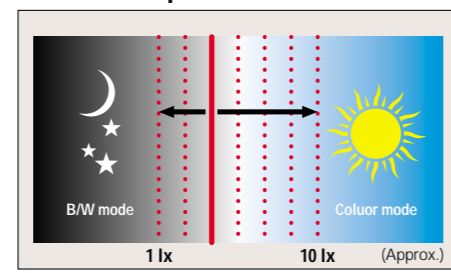
essential in the colour operation mode, the filter is turned on. In the B/W mode, clear, bright images (to a minimum required illumination of 0.04 lx) are produced by switching the filter off and increasing light sensitivity.

Intelligent selectable switching for colour to B/W

The camera's sensitivity to exposed light allows it to automatically switch from colour to B/W mode. The switchover point is selectable within the range of 1-10 lx (approx.) as required for specific applications, and the user is able to set the switchover point easily by OSD menu.

Effectively engineering all the capabilities of two CCD cameras into one, the PAL system VCC-9400P / VCC-ZM400P are ideal 'all-in-one' cost-effective solutions for all surveillance needs.

Switchover point



3 Methods of Intelligent Backlight Compensation

Three backlight compensation methods (multi-zone photometry, 5 section photometry and multi-zone masking) are preset selectable for measurement of center, peripheral or background elements of individual scenes providing sharp, true-colour images in any light situation.



- 1) Multi-zone photometry (48 sections)**
With multi-zone mode settings, light is measured in areas in the center and at the bottom of the image.
- 2) Five-section photometry mode setting**
With the 5-section mode settings, the screen is divided into 5 sections to which the user assigns 8-scale weights so that optimum picture brightness is maintained by giving priority to the area with higher weight.
- 3) Multi-zone masking system (48 sections)**
Areas that do not have photometric measurement performed can be set within a 48-zone grid. The light intensity for the designated area is measured, and the image brightness is adjusted accordingly.

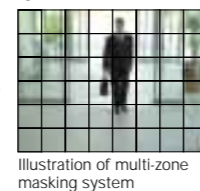


Illustration of multi-zone masking system

Functions Specific to the VCC-9400P Agile Camera Movements Realizing 360-degree Surveillance

64 Preset Positioning and Sequential Monitoring Functions

Up to 64 preset positions (with different settings for pan, tilt, zoom and focus) can be registered for a single VCC-9400P. A simple key entry to a controller allows you to easily switch to the scene you want to monitor. Moreover, the camera can be programmed to monitor up to 64 preset positions in sequential order (including separate settings for white balance, iris and motion sensing for each preset). Auto-pan monitoring can be also be programmed by designating two end points on a horizontal plane.

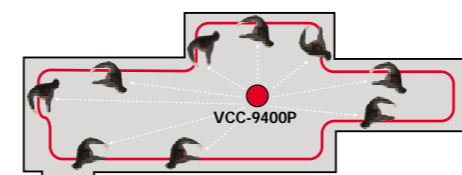


Panning in random order between preset positions is also possible.

Tour Mode Stores and Replicates Manually Operated Patrols

Capable of storing up to 30 or 60 seconds of manual pan, tilt, and zoom operations in memory and recreate the same movement pattern as sequential setting. (The intelligent digital motion detector does not function while the camera is operating in this mode.)

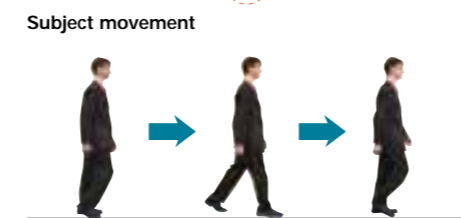
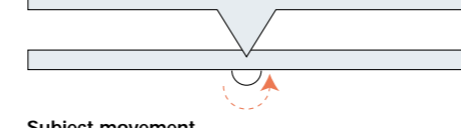
Illustration of movements traced on a display floor.



Auto Flip Function for Monitoring Moving Objects Directly Below

The camera within the dome will automatically flip the image (top/bottom or left/right) into an upright position using a digital processing technique as it tracks a subject passing directly below the dome. This feature allows uninterrupted monitoring of moving objects by simply rotating the camera 180° vertically.

Subject captured on monitor



8 Alarm Inputs

The VCC-9400P comes with eight alarm inputs. Alarm signals will activate the camera to automatically focus on preset locations corresponding to the alarm received.

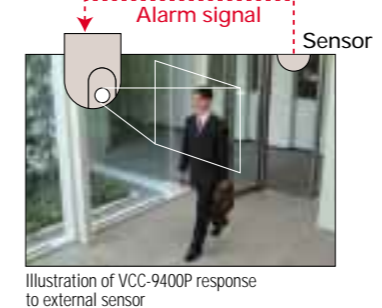


Illustration of VCC-9400P response to external sensor

Pelco-D Compatibility

Pelco-D compatibility allows the VCC-9400P to be controlled from a Pelco controller via the RS-485 port for half-duplex communications. (Duplex control not possible. Some Pelco-D controller functions not supported.)

Auto Resume Function

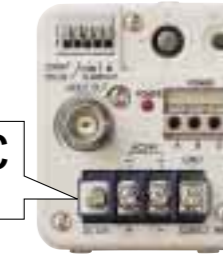
With this function activated*, the VCC-9400P automatically returns to an initial preset position when two minutes have passed since the last command issued via the joystick. This is very useful for operators whose main concern is monitoring a primary preset location.

* The default setting is OFF. To activate, the AUX 7 command should be sent from the VSP-9000.

Specific to the VCC-ZM400P AC / DC Power Source Compatibility

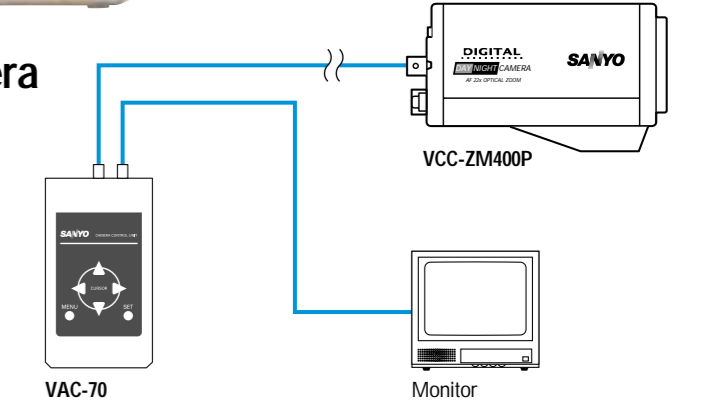
Input terminals on the VCC-ZM400P's rear panel allow you to run it on either 24 V alternating or 12 V direct current power sources. Eliminates the need for specialized electrical work at the point of surveillance to help enable simpler and speedier installation.

24V AC / 12V to 15V DC Dual Power Source Operation



Compatible with VAC-70 Camera Set-up Unit (Sold Separately)

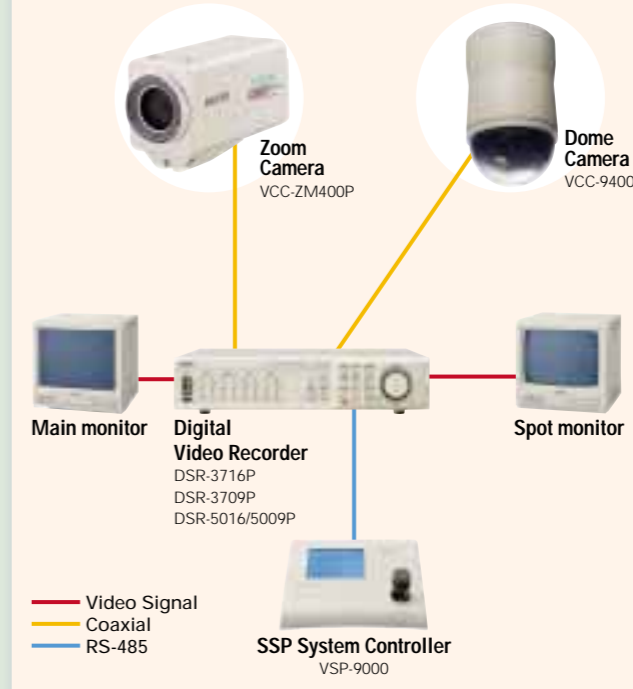
The VAC-70 makes set-up as easy as having your video monitor right beside the camera. Enables setting up of the VCC-ZM400P for all on-screen menu items (intelligent digital motion detector, backlight compensation, white-balance, etc.) For better picture quality, disconnect after settings are completed.



Greater System Flexibility with Coax and Twisted-pair Control

SSP Control System

The VCC-9400P and VCC-ZM400P can be programmed and controlled via SANYO Security Serial Protocol (SSP), a communications method for interfacing between various components of a security video system, using different transmission media to lend greater flexibility to the configuration of surveillance and monitoring systems. These cameras can thus be effectively integrated into systems for desktop control using next-generation or existing peripheral devices connected by coaxial and/or twisting pair cabling.



VCC-9400P Accessories (sold separately)

