

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 one camera. A simple key entry to the 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 up to nine different settings, such as white balance, iris, and motion sensing, for each preset). Auto-pan monitoring can also be programmed by designating two end points on a horizontal plane.



Panning in random order between preset positions is also possible.

Auto Flip Function for Monitoring Moving Objects Directly Below

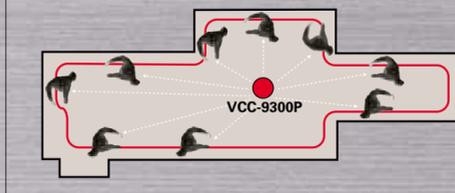
The camera within the dome will automatically flip the image (top/bottom or left/right) into an upright position using a digital processing technique as it tracks a subject passing directly below the dome. The timing for this flip is at the end of the tilt operation or at the tilt limit. This feature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



Tour Mode Stores and Replicates Manually Operated Patrols

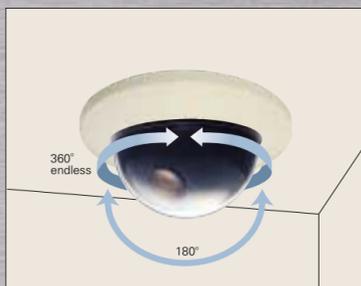
Capable of storing up to 30 or 60 seconds of manual pan, tilt, and zoom operations in memory to recreate the same movement patterns as a sequential setting latter. (The intelligent digital motion detector does not function while the camera is operating in this mode.)

Illustration of movements traced on a display floor.



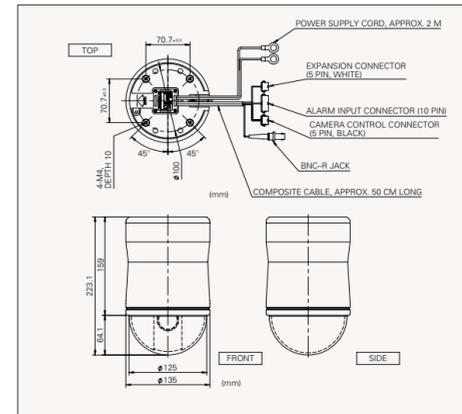
Variable-speed Precision Pan and Tilt

Providing endless panning over 360° in the horizontal plane and 180° of tilt in the vertical, the camera can be moved at variable speeds (0.1° to 120°/sec for horizontal and vertical planes) by joystick or to pan/tilt to scenes designated for monitoring. When preset positions have been entered, it offers the capability to swiftly pan/tilt at a maximum speed of 360°/sec between monitoring positions, or immediately respond by showing the location of an external sensor that has triggered an alarm.



VCC-9300P (PAL)

Dimensions



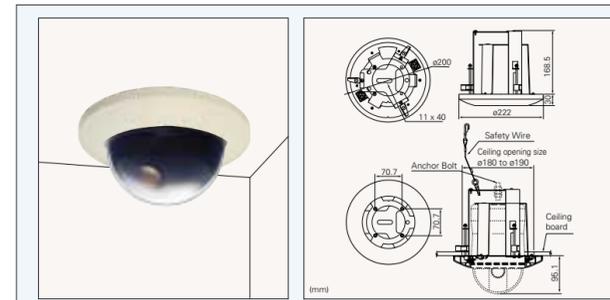
Specifications

MODEL	VCC-9300P
Scanning system	PAL standard (625 lines, 50 fields/sec)
Image sensor	1/4" (approx. 3.6 x 2.7 mm) interline transfer method CCD
Picture elements	Total: 795 (H) x 596 (V), Effective: 752 (H) x 582 (V)
Horizontal resolution	520 TV lines
Minimum illumination	2.0 lx (F1.8) at 50 IRE, max. AGC / 0.06 lx (F1.8) at 50 IRE, 32X sensitivity boost
Electronic sensitivity boost	ON (2X, 4X, 8X, 16X, 32X) / OFF
Video output level	1.0 Vp-p (75 ohms, composite)
Video S/N ratio	More than 48 dB
White balance	ATW / AWC LOCK / MWB
Auto gain control	ON (-6, 0, +6, +9 dB) / OFF
Electronic shutter	Fast (SHORT) mode: 1/50, 1/120, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 sec Slow (LONG) mode: 2X, 4X, 8X, 16X, 32X (field time multiples)
Iris function	Auto/Manual
Backlight compensation	Multi-zone photometry (MULT) / 5-zone photometry (CENT) / 48-zone masking (MASK)
Lens	F1.6 to F3.8 (f = 4.0 to 88 mm) (Auto focus activated)
Focus	Auto / One-push / Manual
Motion detector	ON (size, masking, sensitivity, zoom, duration, interval settings) / OFF
Gamma correction	ON (γ = 0.45 / SMART 1 / SMART 2) / OFF
Privacy masking	ON/OFF, 4 masks per screen (max. 8 with stacked screens), password securable
Digital auto flip	ON/OFF
Pan / tilt functions	Auto sequence / Auto pan / Tour / Manual preset
Panning range	360° endless
Panning speed	Manual: 0.5° to 120°/sec (4 steps), Sequence: Max. 360°/sec
Tilting range	0° to 180°/sec (Digital auto flip function activated)
Tilting speed	Manual: 0.5° to 120°/sec (4 steps), Sequence: Max. 360°/sec
Synchronizing system	Internal sync / Line lock
Zoom	Optical 22X / Electronic zoom 16X (Total zoom: 352X)
Communication	SSP (RS-485) via coax or twisted-pair cable
Input/output	Video output connector (BNC), Power supply cables (24 VAC, 50 Hz), 10-pin alarm input connector (8 inputs), 5-pin alarm output connector (2 outputs), 5-pin camera control connector (RS-485)
Power requirement	24 VAC, 50 Hz
Power consumption	15 W
Environmental conditions	Temperature: -10° to +50°C (+14° to +122°F), Humidity: 35 to 90% RH
Dimensions	Approx. ø135 x 223.1 (H) mm (ø 5.354 x 8.78 in)
Weight	2.5 kg
Accessories	Alarm input expansion connector (10 pin), Camera control expansion connector (5 pin), Alarm output expansion connector (5 pin)

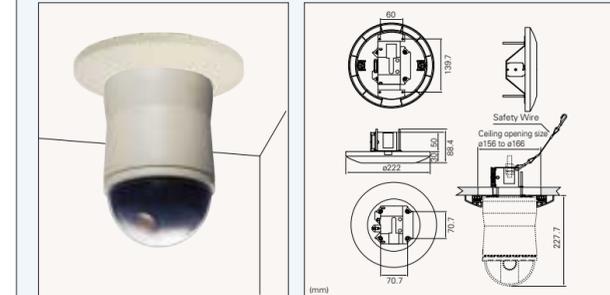
*Specifications are subject to change without notice.



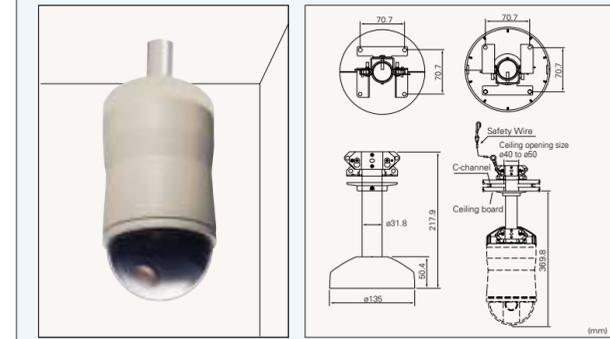
Accessories



Mounting Bracket Embedded Type **VA-30ME** (sold separately)



Mounting Bracket Hanging Type **VA-30F** (sold separately)



Pendant Ceiling Bracket **VA-30P** (sold separately) Length of the pole depends on user specifications.



Outdoor Housing Accessory (sold separately)

Caution: Please consult the instruction manual to ensure safe and proper operation of the product.

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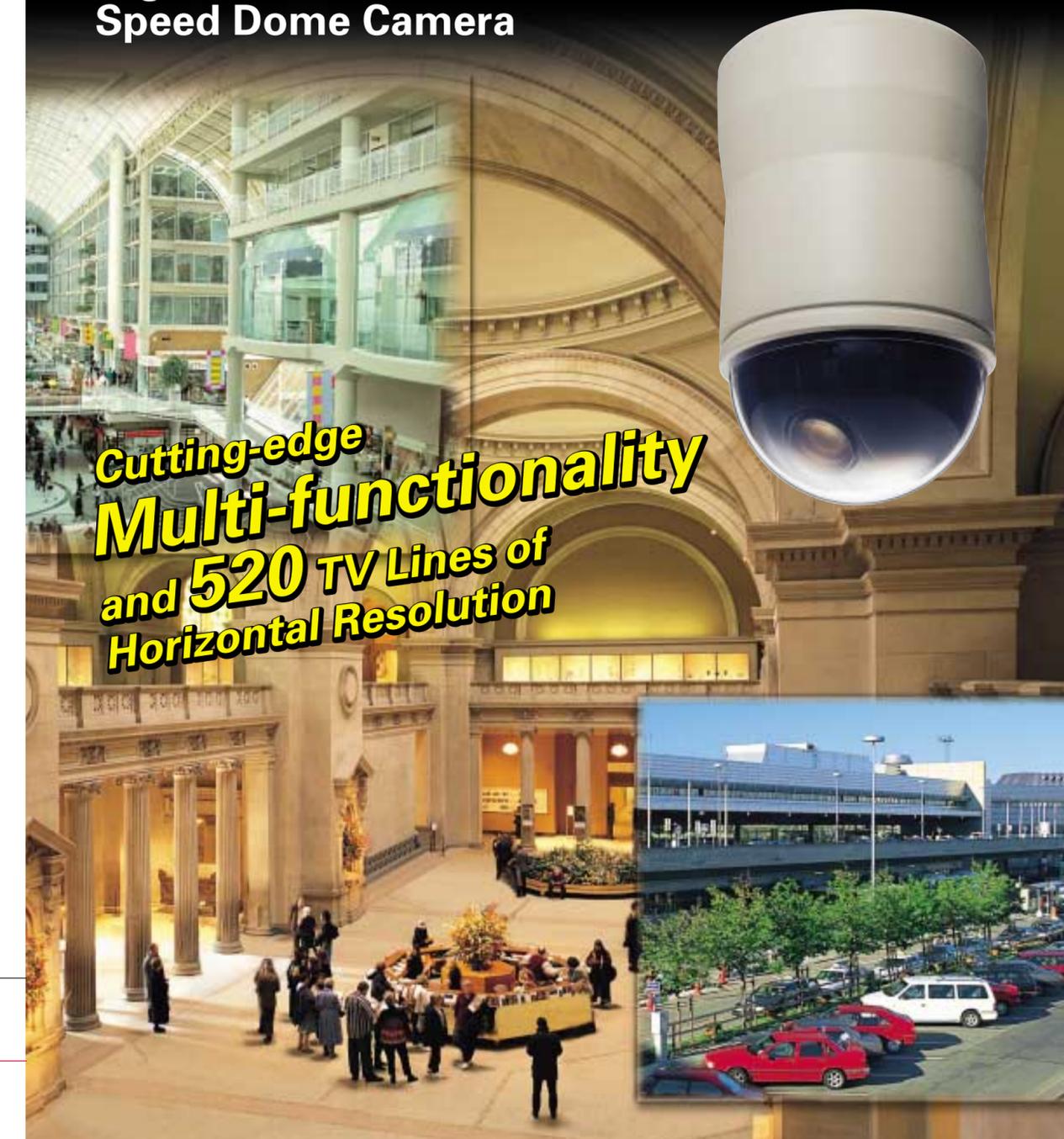
Preliminary

1/4" Colour CCD DSP High-resolution Speed Dome Camera

Cutting-edge Multi-functionality and 520 TV Lines of Horizontal Resolution

SANYO

VCC-9300P Colour (PAL)



Greater Precision and Dependability in Surveillance Technology

Super High Resolution of More than 520 TV Lines

With a built-in auto-focus lens, the VCC-9300P allows unobtrusive monitoring of actions in the surrounding environment. This is combined with the superior clarity and sharpness of digital imaging (at an industry-leading 520 TV lines of horizontal resolution) using SANYO's newly developed digital signal processing system.

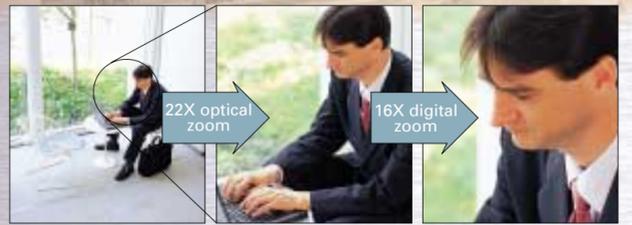


Super High-resolution

Standard Resolution

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

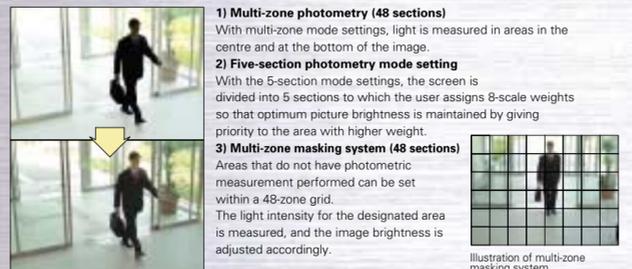
The 22X optical zoom and 16X digital zoom can be combined for 352X, enabling powerful close-ups and putting this function in the top group of its class. This allows even distant subjects to be observed in detail, enabling one camera to monitor a wide area.



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

3 Methods of Intelligent Backlight Compensation

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



Multifunctional Design for Diverse Surveillance Needs

Privacy Masking

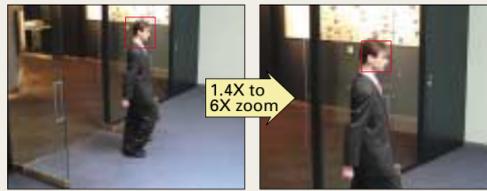
When there is a house or even an object as small as a window within the camera frame, it is possible to mask the area so that it will not appear on the monitor screen to protect other people's privacy. Up to 8 rectangular masks of varying size can be set. Such masking may be protected with a 4-digit (max.) password.



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

Intelligent Digital Motion Detector

The intelligent digital motion detector enables reliable, accurate motion detection by analysing the 'magnitude of movement' and 'size of object' from changes in picture brightness. When a moving object is detected, an alarm signal can be sent to external units and/or switch the picture to zoom modes of 1.4X to 6X. Moreover, scene elements such as swaying trees, flickering lights, etc. can be masked to prevent the triggering of false alarms.



Note: Images here may differ from actual camera-generated images. The red line surrounding the subject's face is purely illustrative and does not appear in actual video images.

32X Sensitivity Boost for Minimum Illumination of 0.06 Lx

While achieving 2.0 lx minimum subject illumination at maximum gain, sensitivity can be further heightened to 32X for 0.06 lx minimum illumination when the sensitivity boost function is activated at 50 IRE (F1.6).

8 Alarm Inputs

The VCC-9300P comes with eight alarm inputs. An alarm signal will activate the camera to automatically focus on the preset location corresponding to the alarm.

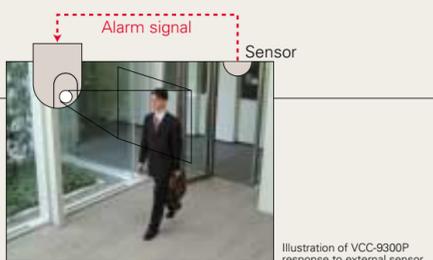


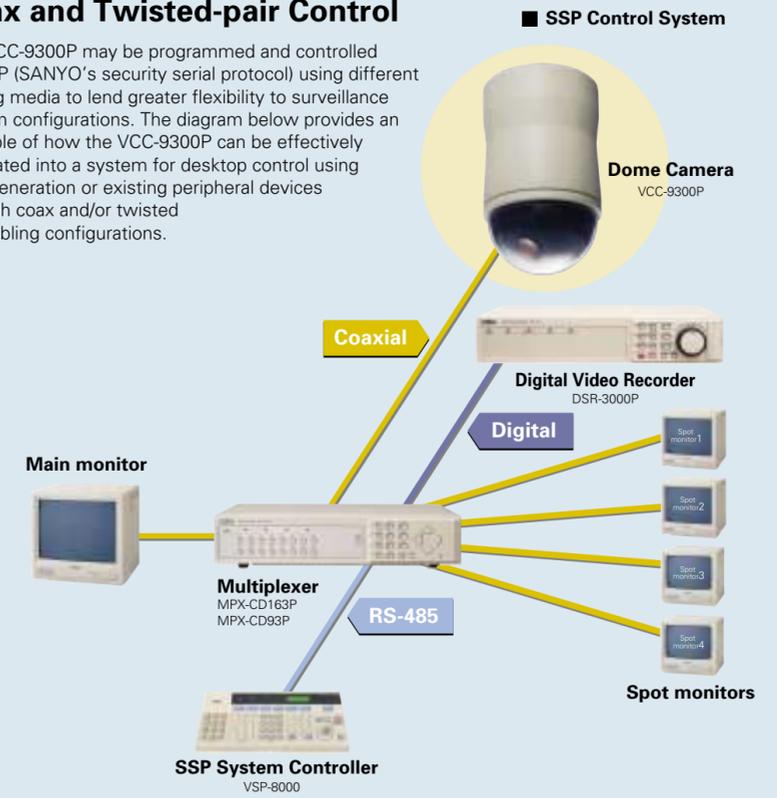
Illustration of VCC-9300P response to external sensor



Flexibility and Centralized System Control

Greater System Flexibility with Coax and Twisted-pair Control

The VCC-9300P may be programmed and controlled via SSP (SANYO's security serial protocol) using different cabling media to lend greater flexibility to surveillance system configurations. The diagram below provides an example of how the VCC-9300P can be effectively integrated into a system for desktop control using next-generation or existing peripheral devices through coax and/or twisted pair cabling configurations.



Other useful features

- Adjustable gamma correction and aperture settings
- Display of assignable camera ID and titles (8 characters max.)