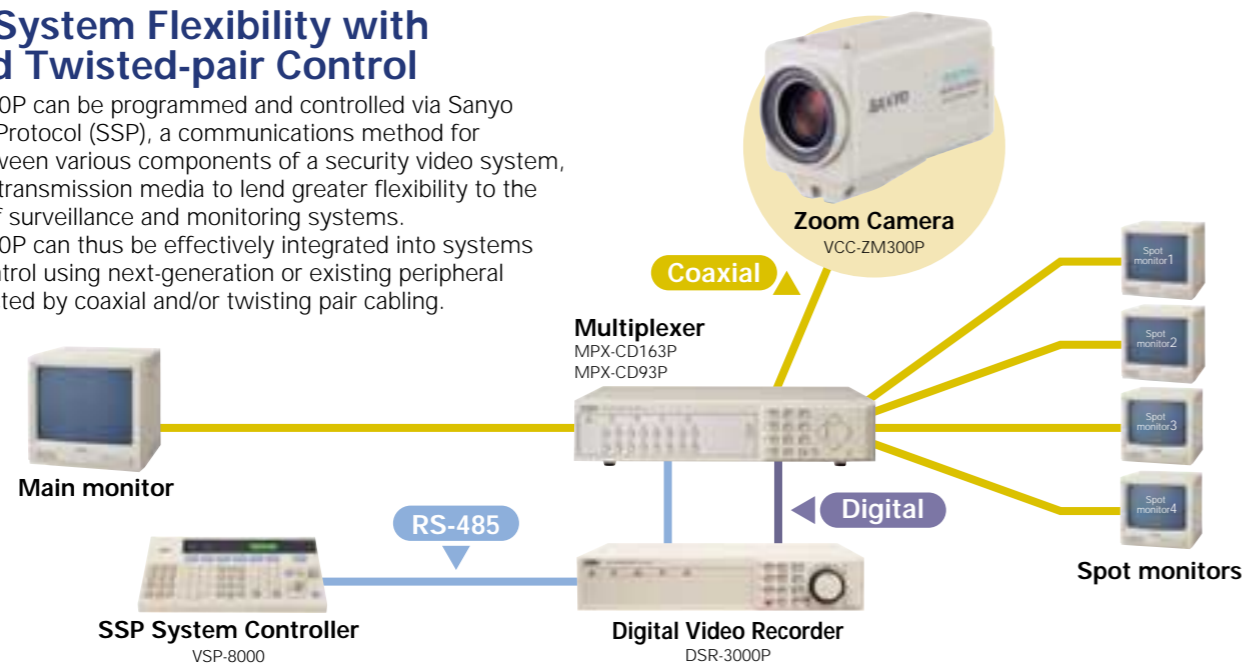


SSP Control System

Greater System Flexibility with Coax and Twisted-pair Control

The VCC-ZM300P 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. The VCC-ZM300P 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.



1/4" Colour CCD DSP High-resolution Zoom Camera

- 520 TV lines of horizontal resolution
- Combinable 22X optical and 16X electronic zooms
- Three methods of intelligent backlight compensation
- 24 VAC / 12 VDC dual operation

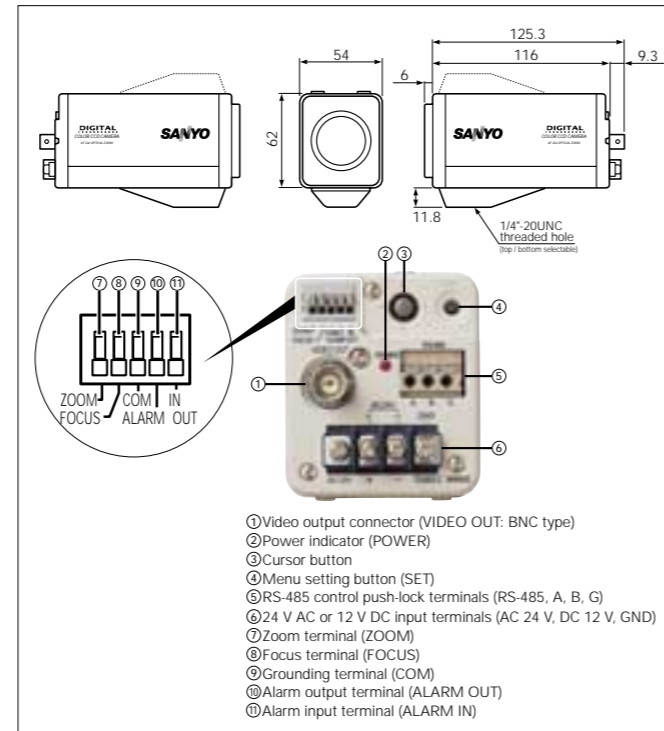
VCC-ZM300P Colour (PAL) DIGITAL

Specifications

MODEL	VCC-ZM300P
Scanning system	PAL standard (625 lines, 25 frames/sec)
Image sensor	1/4" (approx. 3.6 x 2.8 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	Approx. 2.0 lx at max. AGC (F1.6) / 0.06 lx at 32X sensitivity boost (F1.6)
Electronic sensitivity boost	ON (2X, 4X, 8X, 16X, 32X) / OFF
Video output level	1.0 V p-p (75 ohms, composite)
Video S/N ratio	More than 48 dB
White balance	ATW / AWC / Manual
Auto gain control	ON: -6, 0, +6, +9 dB (digital noise reduction selectable) / OFF: 0 to 30 dB
Electronic shutter	Fast mode: 1/2, 1/4, 1/8, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10,000 sec Slow mode: 1X, 2X, 4X, 8X, 16X, 32X (field time multiples)
Iris control	Auto / Manual
Lens	Built-in aspherical auto-focus zoom lens, f = 4.0 to 88 mm (F1.6 to F3.8)
Focus	Auto / One-push / Manual
Zoom	Optical 22X / Electronic zoom 16X (Total zoom: 352X)
Motion detector	ON (size, masking, sensitivity, zoom, interval, alarm settings) / OFF
Privacy masking	ON/OFF, 4 masks per screen max., password securable
Backlight compensation	Multi-spot evaluative metering (MULT), 5 spot centre-weighted average metering (CENT), 48 multi-spot metering (MASK)
V phase adjustment	Line phase
Gamma correction	ON (= 0.45 / SMART 1 / SMART 2) / OFF
Synchronizing system	Internal sync / Line lock
Communication	SSP (RS-485) via coaxial or twisted pair cable
Input/output	Video output connector (BNC), Power input terminals (24 V AC or 12 V DC), RS-485 control push-lock terminals, Zoom terminal, Focus terminal, Ground terminal, 1 alarm input terminal, 1 alarm output terminal
Power requirement	24 V AC, 50 Hz / 12-15 V DC
Power consumption	4.5 W
Dimensions	Approx. 54 (W) x 62 (H) x 122 (D) mm [2.13 x 2.44 x 4.76 in]
Weight	380 g [12.26 oz]

NOTE: Specifications subject to change without notice.

Dimensions



520 TV Lines of Horizontal Resolution
Built-in Auto-focus Zoom Lens



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

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Video Imaging Systems Division
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SMS-039



Effectively Meeting Surveillance Needs with High-Quality Specifications and Imaging Technologies



Robust Surveillance Assured with High Picture Quality and High Sensitivity by Design

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



Super High-resolution

Standard Resolution

With its built-in auto-focus zoom lens, the high-performance VCC-ZM300P allows 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 at an industry-leading horizontal resolution of 520 TV lines achieved by SANYO's newly developed digital signal processing system.

Designed for High Functionality to Meet On-site Needs

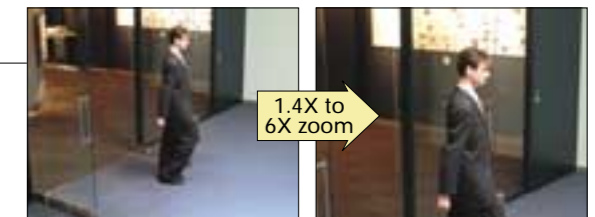
Privacy Masking

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 4 rectangular masks of arbitrary size can be set. Such masks may be protected with passwords (maximum four digits).



Intelligent Digital Motion Detector

The intelligent digital motion detector enables reliable and accurate motion detection by analysing the "magnitude of movement" and the "size of object" and other factors from changes in picture brightness. When a moving object is detected, the VCC-ZM300P can send an alarm signal and/or switch to zoom modes of 1.4X to 6X. Scene elements such as swaying trees and flickering lights, etc., can also be masked to prevent triggering of false alarms.

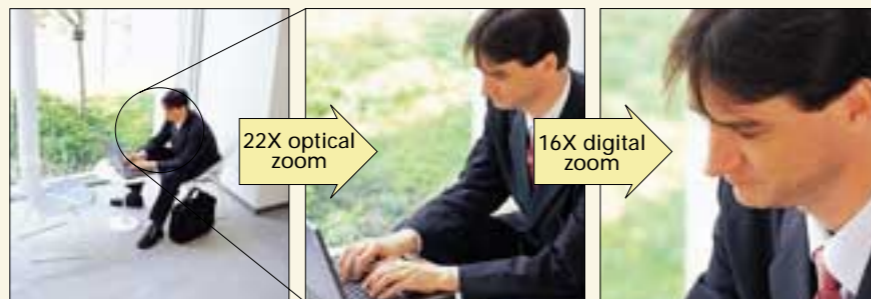


13 Electronic Shutter Speed Modes

Thirteen electronic shutter speed modes (at 1/2, 1/4, 1/8, 1/30, 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000 and 1/10,000 of a second) are selectable in response to brightness and movement at the monitoring point.

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

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.



3 Methods of Intelligent Backlight Compensation

Three backlight compensation methods (multi-spot evaluative metering, 5 spot centre-weighted average metering and 48 multi-spot metering) are preset selectable for measurement of centre, peripheral or background elements of individual scenes providing sharp, true-colour images in any light situation.



32X Electronic Sensitivity Boost for Minimum Illumination of 0.06 Lx

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

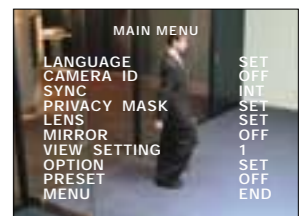
Replete with Features Facilitating Easier Configuration of Surveillance Systems

24 VAC / 12 VDC Dual Power Source Operation



Easy On-screen Setup and Customizing of Default Settings

The VCC-ZM300P now enables you to call up the menu screen and customize camera settings using the Cursor and Set buttons on its rear panel. This, of course, in addition to the capacity for set up and control via a peripheral system device such as the VSP-8000 controller.



Other useful features

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