

## 30X, 520TVL, HIGH-SPEED PTZ SYSTEM DOME

### VCC-9600 Series

- Day/Night System Dome
- IR Cut Filter Removal System
- 0.8 lx @ F1.4 (color), 0.04 lux @ F1.6 B/W

### VCC-9500 Series

- Color System Dome
- 0.8 lx @ F1.4

### VCC-9600 & VCC-9500 Series

- 30X Optical Zoom & 16X Digital Zoom (480X Total)
- 520 TVL Super High Resolution
- Up to 32x Sensitivity Boost
- Mirror Function: Horizontal and/or Vertical Image Flip
- 24 Rectangular Privacy Masking Areas of Arbitrary Size
- Pan Range of 360° Continuous Rotation
- Tilt Range of -5° to 185° Digital Auto Flip On
- High-speed Rotation Between Preset Positions  
Pan: 435°/sec, Tilt: 400°/sec
- Manual Pan/Tilt Speeds of 0.1 to 120°/s
- RS-485 or Coaxial Control Communication
- Protocols Supported: SANYO SSP RS-485, SANYO SSP Coax, Pelco-D, Pelco-C
- Digital Auto Flip
- 128 Preset Positions
- Three Auto-mode Settings: Sequence, Tour, Auto Pan
- 4 Sequences
- 4 Guard Tours
- 8 Alarm Inputs & 2 Alarm Outputs (NO/NC Switchable)
- Surface, In-ceiling and Outdoor Versions
- Optional VA-80LAN Network Board

VCC-9600  
VCC-9500



# 30X, 520TVL, HIGH-SPEED PTZ SYSTEM DOME

## Specifications

MODEL	VCC-9600	VCC-9500
Scanning system	NTSC standard 525 lines, 60 fields/sec.	
Image sensor	1/4" (approx. 3.6 mm x 2.7 mm) interline transfer method CCD	
Picture elements	Total: 811(H) x 508(V), Effective: 768(H) x 494(V)	
Horizontal resolution	520 TV lines	
Minimum illumination 50 IRE (approx.)	0.8 lx (at F1.4 GAIN:HIGH color mode) 0.04 lx, (at F1.6 B/W mode)	0.8 lx (at F1.4 GAIN:HIGH color mode)
20 IRE	0.32 lx (at F1.4 GAIN:HIGH color mode) 0.016 lx, (at F1.6 B/W mode)	0.32 lx (at F1.4 GAIN:HIGH color mode)
Electronic sensitivity boost	Auto (interlocked with auto iris), up to x32 / OFF	
Video S/N ratio	More than 50 dB (AGC OFF)	
Backlight compensation	ON / OFF — Slide SW, ON = Multi-spot photometry (48-section) / 5-section photometry / Multi-spot masking (48-section)	
White-balance	ATW/AWC/Manual/Outdoor/Indoor/Fluorescent	
Gain control	Low / Normal / Middle / High / Off	
Electronic shutter	High-speed mode: 8 steps: 1/60, 1/100, 1/250, 1/500, 1/1000, 1/2000, 1/4000, 1/10000 Low-speed mode: 5 steps: x2, x4, x8, x15, x30 (1/30, 1/15, 1/8, 1/4, 1/2)	
Zoom lens	30x optical zoom, f = 3.5 to 105 mm, (F1.4 to 3.7) ON / OFF, up to 16x electronic zoom (Max. 480x combined with optical zoom)	
Movement range	Panning	360° endless
	Tilting	-5 to 185° (Digital auto flip ON)
Movement speed	Panning	Preset: 435°/sec., Manual: 0.1 to 120°/sec.
	Tilting	Preset: 400°/sec., Manual: 0.1 to 120°/sec.
Motion detection	On / Off: Motion zoom function	
Privacy masking	On / Off: Max. 24 masked locations	
Synchronizing system	Internal sync. / Line lock	
V phase adjustment	LINE PHASE	
Communication	RS-485 / Coaxial control	
Protocols	Sanyo SSP, Sanyo Coax, Pelco-D, Pelco-C	
Environmental conditions	Temperature	-10°C to 50°C (+14°F to 122°F), -30°C to 50°C (-22°F to 122°F (outdoor version)
	Humidity	within 35 to 90% RH
Power requirement	24 V AC ±10%, 60Hz	
Power consumption (approx.)	Indoor 16W, Outdoor 35W	
Weight (approx.)	Outdoor type: 5.1kg (11.22 lbs)	
	Surface type/Pendant type: 2.4kg (5.28 lbs)	
	In-ceiling type: 3.4kg (7.48 lbs)	
Regulatory	UL, FCC Class B	

## VA-80LAN Optional Network Board

Image compression	JPEG
Resolution	720 x 480, 720 x 480DFFC*, 720 x 240, 640 x 480, 640 x 480DFFC*, 360 x 240, 180 x 120
Picture quality	5 levels
Frame rate	Max. 30 IPS (720 x 240)
Audio compression method	G.711 (192 kbps), full duplex
Microphone input	-62 to -32 dB (monaural microphone) 3.5 mm mini jack
Audio output	LINE OUT, monaural audio output, Max. -8 dB, 3.5 mm mini jack
Bandwidth	128, 256, 512 Kbps, 1, 2, 3, 4 Mbps, no limitation
Alarm buffer	Up to 8 MB; configurable
Interface	10BASE-T/100BASE-TX (RJ45 connector)
Protocols	TCP, UDP, HTTP, HTTPS, SMTP, NTP, DHCP, FTP, UPnP
Simultaneous access capacity	Image: Max. 16, Voice: Max. 16 (admin: 1)
Security	BASIC authentication (ID/password), SSL supported (image only)
Bundled software	VA-SW3050LITE

# SANYO

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