

SCV-2081R HIGH RESOLUTION VANDAL-RESISTANT IR DOME CAMERA

TECHNICAL SPECIFICATIONS

SECURITY SYSTEM

DIVISION – 28 ELECTRONIC SAFETY AND SECURITY

LEVEL 1 28 20 00 ELECTRONIC SURVEILLANCE

LEVEL 2 28 23 00 VIDEO SURVEILLANCE

LEVEL 3 28 23 29 VIDEO SURVEILLANCE REMOTE DEVICES AND SENSORS

PART 2 – PRODUCTS

2.01 GENERAL

- A. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer's system.
- B. All systems and components shall have been thoroughly tested and proven in actual use.
- C. All systems and components shall be provided with the availability of a toll-free (U.S. and Canada), 24-hour technical assistance program (TAP) from the manufacturer. The TAP shall allow for immediate technical assistance for either the dealer/installer or the end user at no charge for as long as the product is installed.

2.02 SCV-2081R HIGH RESOLUTION VANDAL-RESISTANT IR DOME CAMERA

- A. The camera shall provide 600 TV lines (color) and 700TV lines (black/white) of high resolution video and a minimum illumination to 0.0Lux with IR LED on, with an IR distance of 20m.
- B. The camera shall include a 3.6x varifocal lens (2.8 ~ 10mm),
- C. The camera shall provide ICR for true day/night performance, motion detection, digital noise reduction (using SSNRIII).
- D. The camera shall provide communication through coaxial control.
- E. The camera shall operate on dual power (24V AC and 12V DC).
- F. The camera shall have an IP66 vandal resistant housing.
- G. The camera shall provide a customizable on-screen display (OSD) which shall be available in English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean in NTSC and English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese in PAL

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage Dual (24V AC, 12V DC +10%)
- B. Power Consumption, max. 3.0W (4.0W if IR LED on)

2.04 VIDEO SPECIFICATIONS

- A. Imaging Device 1/3" Super HAD CCD
- B. Total Pixels (horizontal x vertical)
 - 1. NTSC 811 x 508
 - 2. PAL 795 x 596
- C. Effective Pixels (horizontal x vertical)
 - 1. NTSC 768 x 494
 - 2. PAL 752 x 582
- D. Scanning System 2:1 Interlace
- E. Synchronization Internal, Line lock
- F. Frequency (horizontal, vertical)
 - 1. NTSC 15.734KHz, 59.94Hz
 - 2. PAL 15.625KHz, 50Hz

		G. Horizontal Resolution (minimum)	
		1. Color	600TV lines
		2. Black/White	700 TV lines
		H. Min. Illumination	
		1. Color	0.15Lux @F1.2 (50IRE), 0.0003Lux (Sens-up, 512X)
		2. B/W	0.0Lux if LED on
		I. S / N (Y signal)	52dB (AGC off, Weight on)
		J. Video Output	CVBS: 1.0 Vp-p, 75Ω composite
2.05	LENS		
	A. Focal Length (Zoom Ratio)		2.8 ~ 10mm (3.6x)
	B. Max. Aperture Ratio		1 : 1.2(Wide) ~ 2.8(Tele)
	C. Angular Field of View (HxV)		94.4°(Wide) ~ 28°(Tele) x 69.2°(Wide) ~ 21°(Tele)
	D. Lens Type		DC auto iris
	E. Mount Type		Board
2.06	PAN/TILT		
	A. Pan Range		0° ~ 352°
	B. Tilt Range		0° ~ 73°
	C. Rotate Range		0° ~ 348°
2.07	OPERATIONAL SPECIFICATIONS		
	A. On Screen Display		
	1. NTSC		English, Japanese, French, Spanish, Portuguese, Taiwanese and Korean
	2. PAL		English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish and Portuguese
	B. Camera Title		On, Off (displays 15 characters)
	C. Day and Night		Auto (ICR), Color, BW
	D. Backlight Compensation		BLC, HLC, Off
	E. Contrast Enhancement		SSDR (Off, On)
	F. Digital Noise Reduction		SSNRIII (Off, On)
	G. Digital Image Stabilization		On, Off
	H. Motion Detection		On, Off (8 programmable zones)
	I. Privacy Masking		On, Off (12 programmable zones)
	J. Sens-up (Frame Integration)		2x ~ 512x
	K. Gain Control		Low, High, Off
	L. White Balance		ATW, Indoor, Outdoor, Manual, AWC (1,700K°~11,000K°)
	M. Electronic Shutter Speed		
	1. NTSC		1/60 ~ 1/120,000sec
	2. PAL		1/50 ~ 1/120,000sec
	N. Digital Zoom		Off, On (1x~16x)
	O. Flip		Vertical, Horizontal
	P. Communication		Coaxial control
	Q. Protocol		Coax: Pelco-C (Coaxitron)
	R. IR Distance		20m (IR LED 20 each)
2.08	ENVIRONMENTAL SPECIFICATIONS		
	A. Operating Temperature		-10°C ~ +50°C (+14°F ~ +122°F)
	B. Operating Humidity		up to 100% RH
2.09	MECHANICAL SPECIFICATIONS		
	A. Dimension		Ø137 x 106mm (Ø5.39 x 4.17")
	B. Weight		700g (1.54 lb)

C. Body Color/Materials	Ivory/ Aluminum
D. Dome Cover Color/Materials	Smoked/ Polycarbonate
E. Ingress Protection	IP66

2.10 CERTIFICATIONS

A. NTSC	FCC (Class A), UL/cUL Listed
B. PAL	CE (Class A), UL/cUL Listed

2.11 WARRANTY

A. 3 years, parts and labor
