

SCD-2080E 1/3" HIGH RESOLUTION VARIFOCAL 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 SCD-2080E 1/3" HIGH RESOLUTION VARIFOCAL DOME CAMERA

- A. The high-resolution camera shall provide 600TV lines in color and 700TV Lines in black/white, with a minimum illumination of 0.15 Lux @F1.2 in color.
- B. The camera shall provide a built-in 3.6x varifocal (2.8~10mm) lens.
- C. The camera shall provide motion detection, digital noise reduction (using SSNRIII), and communication through coax protocol using Pelco-C (Coaxitron).
- D. The camera shall operate on dual power (12V DC and 24V AC).
- E. The camera shall provide customizable OSD which shall be available in English, Japanese, Spanish, French, Portuguese, Taiwanese and Korean in NTSC and English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, and Portuguese in PAL.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage Dual (24V AC and 12V DC $\pm 10\%$)
- B. Power Consumption Max 3.5W

2.04 VIDEO SPECIFICATIONS

- A. Imaging Device 1/3" Super HAD CCD
- B. Total Pixels
 - 1. NTSC 811 (H) x 508 (V)
 - 2. PAL 795 (H) x 596 (V)
- C. Effective Pixels
 - 1. NTSC 768 (H) x 494 (V)
 - 2. PAL 752 (H) x 582 (V)
- D. Scanning system 2:1 Interlace
- E. Synchronization Internal, Line Lock
- F. Frequency
 - 1. NTSC 15.734 KHz (H), 59.94Hz (V)
 - 2. PAL 15.625 KHz (H), 50Hz (V)
- G. Horizontal Resolution
 - 1. Color 600 TV Lines
 - 2. Black/White 700 TV Lines
- H. Min. Illumination 0.15Lux @F1.2 (50IRE), 0.0003Lux (Sens-up, 512x)
- I. S / N Ratio 52dB (AGC off, Weight on)

J. Video Output	CVBS: 1.0 Vp-p, 75Ω composite
2.05 LENS SPECIFICATIONS	
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	
1. Horizontal	94.4°(Wide) ~ 28°(Tele)
2. Vertical	69.2°(Wide) ~ 21°(Tele)
D. Lens Type	DC auto iris
E. Mount Type	Board
2.06 PAN / TILT / ROTATE SPECIFICATIONS	
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, Spanish, French, 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 & Night	Auto (Electrical), Color, B/W
D. Backlight Compensation	BLC, HLC, Off
E. Contrast Enhancement, SSCR	Off, On
F. Digital Noise Reduction, SSNR III	Off, On
G. Digital Image Stabilization	Off, On
H. Motion Detection	Off, On (8 programmable zones)
I. Privacy Masking	Off, On (12 programmable zones)
J. Sens-up (Frame Integration)	2x ~ 512x
K. Gain Control	Off, Low, High
L. White Balance	ATW, Manual, Indoor, Outdoor, AWC (1,700°K ~ 11,000°K)
M. Electronic Shutter Speed	
1. NTSC	1/60 ~ 1/120K sec
2. PAL	1/50 ~ 1/120K sec
N. Digital Zoom	Off, On (1x~16x)
O. Flip	Vertical, Horizontal
P. Communication	Coaxial control
Q. Protocol	Pelco-C (Coaxitron)
2.08 ENVIRONMENTAL	
A. Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)
B. Operating Humidity	Less than 90% RH
2.09 MECHANICAL	
A. Dimension	Ø115.8 x 92.7mm (Ø4.56 x 3.65")
B. Weight	345g (0.76 lb)
C. Color	Ivory or Black
D. Material	Plastic
E. Dome Cover	Clear
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