

SCB-2000 1/3" HIGH RESOLUTION 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 SCB-2000 1/3" HIGH RESOLUTION CAMERA

- A. The camera shall provide high resolution of 600TV lines and minimum resolution of 0.05Lux @F1.2 in color.
- B. The camera shall offer motion detection, SSNR (3D+2D) for digital noise reduction, and communication through coaxial control (Pelco C).
- C. The camera shall operate on dual power 24V AC and 12V DC. In PAL with heater on, the camera shall operate on 230V AC.
- D. The customizable on-screen display (OSD) which shall be available in English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, and Portuguese.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage
 - 1. SCB-2000N Dual (24V AC and 12V DC $\pm 10\%$)
 - 2. SCB-2000P Dual (24V AC and 12V DC $\pm 10\%$)
 - 3. SCB-2000PH 230V AC $\pm 10\%$
- B. Power Consumption, maximum
 - 1. SCB-2000N 3.5W
 - 2. SCB-2000P 3.5W
 - 3. SCB-2000PH 4.0W

2.04 VIDEO SPECIFICATIONS

- A. Imaging Device 1/3" Super HAD CCD
- B. Total Pixels
 - 1. SCB-2000N 811(H) x 508(V)
 - 2. SCB-2000P 795(H) x 596(V)
 - 3. SCB-2000PH 795(H) x 596(V)
- C. Effective Pixels
 - 1. SCB-2000N 768(H) x 494(V)
 - 2. SCB-2000P 752(H) x 582(V)
 - 3. SCB-2000PH 752(H) x 582(V)
- D. Scanning System 2:1 Interlace
- E. Synchronization Internal, Line lock

F. Frequency (H/V)	
1. SCB-2000N	15.734KHz x 59.94Hz
2. SCB-2000P	15.625KHz x 50Hz
3. SCB-2000PH	15.625KHz x 50Hz
G. Horizontal Resolution	Color: 600TV lines
H. Min. Illumination	0.05Lux, 0.0001Lux (F1.2, 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	
A. Lens Type	Manual, Auto iris (Video/DC)
B. Mount Type	C/CS
2.06 OPERATIONAL SPECIFICATIONS	
A. On-Screen Display	
1. SCB-2000N	English, Japanese, Spanish, French, Portuguese, Taiwanese, Korean
2. SCB-2000P & PH	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
B. Camera Title	Off/On (displays 15 characters)
C. Day & Night	Auto (Electrical), Color, B/W
D. Backlight Compensation	BLC, HLC, Off
E. Contrast Enhancement	SSDR (Off, On)
F. Digital Noise Reduction	SSNRIII (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	Low, High, Off
L. White Balance	ATW, Outdoor, Indoor, Manual, AWC (1,700K°~11,000K°)
M. Electronic Shutter Speed	
1. SCB-2000N	1/60 ~ 1/120,000sec
2. SCB-2000P and PH	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)
2.07 ENVIRONMENTAL SPECIFICATIONS	
A. Operating Temperature	-10°C ~ +50°C (+14F ~ +122°F)
B. Operating Humidity	Less than 90% RH
2.08 MECHANICAL SPECIFICATIONS	
A. Color	Black and dark gray
B. Material	Aluminum, Steel
C. Dimension	58 x 52 x 121mm (2.28" x 2.05" x 4.76")
D. Weight	
1. SCB-2000N	340g (0.75 lb)
2. SCB-2000P	340g (0.75 lb)
3. SCB-2000PH	510g (1.12 lb)

2.09 MODELS

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|---------------|------------------|
| A. SCN-1000NA | basic for NTSC |
| B. SCB-2000PA | basic for PAL |
| C. SCB-2000PH | PAL with housing |

2.10 LENSES AND OPTIONAL ACCESSORIES

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|-----------------------|---|
| A. SLA-2810D | 1/3" varifocal lens f 2.8 ~ 10 mm |
| B. SLA-2985D | 1/3"CS-mount varifocal lens f 2.9~8.5mm |
| C. SLA-3580DN | 1/3" varifocal lens f 3.5~8 mm |
| D. SLA-550DA | 1/3" varifocal lens f 5~50 mm |
| E. SHB-4300H1 | Extreme weatherproof housing for fixed camera |
| F. SHB-4200/SHB-4200H | Indoor housing for fixed camera (H=with Heater) |
| G. STH-500 | Indoor Housing for fixed box camera |
| H. STH-200 | Indoor Housing for fixed box camera |
| I. STB-400 | Indoor/Outdoor enclosure bracket (use with either STH-500 or STH-200) |
| J. STB-4150V | Internal Camera Wall Mount Bracket |

2.11 CERTIFICATION

- A. UL Listed
- B. UL Listed to Canadian safety standards
- C. CE mark
- D. FCC mark

2.12 WARRANTY

- A. 3 years, parts and labor.