

SCD-3081 1/3" HIGH RESOLUTION WDR 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-3081 1/3" HIGH RESOLUTION WDR VARIFOCAL DOME CAMERA

- A. The high-resolution infrared day & night camera shall provide 650TV lines in color and 700TV Lines in black/white, with a minimum illumination of 0.1 Lux@F1.2 in color, and 0.01 Lux in black/white.
- B. The camera shall provide a built-in 3.9x varifocal (2.8~11mm) lens offering WDR, VPS and intelligent video.
- C. The camera shall provide true day/night (ICR), motion detection, digital noise reduction using SSNRIII, and 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 (Double scan)
- 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 650 TV Lines
 - 2. Black/White 700 TV Lines

H. Min. Illumination	
1. Color	0.1Lux @F1.2 (50IRE), 0.0002Lux (Sens-up, 512x)
2. Black/White	0.01Lux @F1.2 (50IRE), 0.00002Lux (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)	2.8~11mm (3.9x)
B. Max. Aperture Ratio	1:1.2 (Wide) ~ 2.8 (Tele)
C. Angular Field of View	
1. Horizontal	94°(Wide) ~ 26°(Tele)
2. Vertical	67°(Wide) ~ 20°(Tele)
D. Min. Object Distance	0.2m (0.66 feet)
E. Lens Type	DC auto iris
F. Mount Type	Board

2.06 PAN / TILT / ROTATE SPECIFICATIONS

A. Pan Range	0° ~ 340°
B. Tilt Range	0° ~ 73°
C. Rotate Range	0° ~ 340°

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 (ICR), External, Color, B/W
D. Backlight Compensation	User BLC, HLC, SSDR, WDR, Off
E. Wide Dynamic Range	
1. NTSC	128x (52dB)
2. PAL	160x (52dB)
F. Contrast Enhancement	SSDR (Off, On)
G. Digital Noise Reduction	SSNR (Off, On)
H. Digital Image Stabilization	On, Off
I. Motion Detection	Off, On (8 programmable zones)
J. Privacy Masking	On, Off (12 programmable zones)
K. Sens-up (Frame Integration)	2x ~ 512x
L. Gain Control	Off, Low, High
M. White Balance	ATW, Manual, Indoor, Outdoor, AWC (1,700°K ~ 11,000°K)
N. Electronic Shutter Speed	
1. NTSC	1/60 ~ 1/120K sec
2. PAL	1/50 ~ 1/120K sec
O. Digital Zoom	Off, On (1x~16x)
P. Flip	Vertical, Horizontal
Q. Profile	Basic, Day & Night, Backlight, ITS, Indoor, User
R. VPS	Off, On
S. Intelligent Video	Fixed, Moved, Area, Fence, Tracking, Detection, Counting
T. PIP	Off, On
U. Alarm	1 Out
V. Communication	Coaxial control
W. Protocol	Pelco-C (Coaxitron)

2.08 ENVIRONMENTAL

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| A. Operating Temperature | -10°C ~ +50°C (+14°F ~ +122°F) |
| B. Operating Humidity | Less than 90% RH |

2.09 MECHANICAL

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| A. Dimension | Ø115.8 x 92.7mm (Ø4.56 x 3.65") |
| B. Weight | 365g (0.8 lb) |
| C. Color | Ivory |
| D. Material | Plastic |
| E. Dome Cover | Clear |

2.10 CERTIFICATIONS

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

2.11 WARRANTY

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| A. Three years, parts and labor |
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