

## **SCV-5085 1000TVL (1280H) WDR Vandal-Resistant 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-5085 1000TVL (1280H) WDR Vandal-Resistant Dome Camera**

- A. The camera shall provide high resolution of 1000TV lines in black and white as well as in color.
- B. The camera shall have minimum illumination of 0.03Lux in color and 0.003Lux in black and white at F1.2 and 50IRE. At F1.2 and 30IRE, the minimum illumination in color shall become 0.01Lux and in black and white, 0.001Lux.
- C. The camera shall have motorized varifocal lens that varies from 3 to 8.5mm with zoom ratio of 2.8.
- D. The camera shall feature WDR (Wide Dynamic Range) with gain of 120dB.
- E. The camera shall have Day & Night feature with built-in infrared cut filter removable (ICR) to provide true color reproduction and the best possible low light performance.
- F. The camera shall feature SSDR (Samsung Super Dynamic Range) that automatically detects and enhances brightness of dark area without affecting the rest to improve overall expression of the video.
- G. The camera shall feature SSNR (Samsung Super Noise Reduction) IV, the high performance noise reduction.
- H. The camera shall feature defog mode that intensifies color and contrast in foggy and cloudy weather.
- I. The camera shall feature intelligent video analysis such as Fence, Appear/Disappear, and Counting.
- J. The camera shall have IP66 and IK10 certification to show robust protection against weather and impact.
- K. The camera shall use Pelco-C protocol for control over coaxial cable.

#### **2.03 VIDEO**

A. Imaging Device	1/3" 1.3M CMOS
B. Total Pixels	1,312(H) x 1,069(V)
C. Effective Pixels	1,305(H) x 1,049(V)
D. Scanning System	Progressive scan
E. Synchronization	Internal
F. Frequency	
NTSC	H : 15.734KHz / V : 59.94Hz
PAL	H : 15.625KHz / V : 50Hz

G. Horizontal Resolution	
1. Color	1000TV lines
2. B/W	1000TV lines
H. Min. Illumination	
1. Color	0.03Lux (F1.2, 50IRE), 0.001Lux (1sec, F1.2, 50IRE), 0.01Lux (F1.2, 30IRE), 0.0003Lux (1sec, F1.2, 30IRE)
2. B/W	0.003Lux (F1.2, 50IRE), 0.0001Lux (1sec, F1.2, 50IRE), 0.001Lux (F1.2, 30IRE), 0.00003Lux (1sec, F1.2, 30IRE)
I. S/N Ratio	52dB (AGC off, Weight on)
J. Video Output	CVBS : 1.0 Vpp / 75Ω composite
<b>2.04 LENS</b>	
A. Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal lens
B. Max. Aperture Ratio	F1.2
C. Angular Field of View	H : 105.5°(Wide) ~ 37.1°(Tele) V : 57.5°(Wide) ~ 21°(Tele)
D. Min. Object Distance	0.5m (1.64ft)
E. Focus Control	Manual
F. Lens Type	DC auto iris
G. Mount Type	Board type
<b>2.05 OPERATIONAL</b>	
A. On Screen Display	English, Chinese, Korean, Japanese, German, Italian, French, Spanish, Russian, Czech, Polish, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
B. Camera Title	Off / On (Displayed 15 characters)
C. Day & Night	Auto (ICR) / External / Color / B/W
D. Backlight Compensation	Off / User BLC / HLC / WDR
E. Wide Dynamic Range	120dB
F. Contrast Enhancement	SSDR (Off / On)
G. Digital Noise Reduction	SSNR IV (Off / On)
H. Defog	Off / Auto / Manual
I. Purple Fringe Reduction	Off / Low / Middle / High
J. Digital Image Stabilization	Off / On
K. Tampering	Off / On
L. Motion Detection	Off / On
M. Intelligent Video Analytics	Fence, (Dis)Appear, Counting (Off / On)
N. Privacy Masking	Off / On (24 programmable zones with 4 points polygonal masking)
O. Gain Control	Off / Low / Middle / High
P. White Balance	ATW / Outdoor / Indoor / Manual / AWC / Mercury (1,800K° ~ 10,500K°)
Q. Electronic Shutter Speed	1sec ~ 1/12,000sec
R. Digital Zoom	Off / On (1x ~ 16x)
S. Reverse	Off / H-Rev / V-Rev / HV-Rev
T. Profile	Basic, Day & Night, Backlight, ITS, Indoor, User

U. Alarm	1 Out
V. Communication	Coaxial control (SPC-300 compatible)
W. Protocol	Coax : Pelco-C (Coaxitron)

**2.06 ELECTRICAL**

A. Input Voltage / Current	Dual (24V AC & 12V DC $\pm 10\%$ )
B. Power Consumption	Max. 5W

**2.07 ENVIRONMENTAL SPECIFICATIONS**

A. Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F)
B. Operating Humidity	Less than 90% RH
C. Ingress Protection	IP66
D. Vandal Resistance	IK10

**2.08 PHYSICAL SPECIFICATIONS**

A. Dimension (WxH)	Ø137.0 x 106.1mm (Ø5.39" x 4.18")
B. Weight	772g (1.7 lb)
C. Color/Material	Ivory / Aluminum

**2.09 CERTIFICATIONS**

- A. CE mark
- B. FCC mark
- C. UL mark

**2.10 WARRANTY**

- A. 3 years, parts and labor.