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

1. All equipment and materials used shall be standard components that are regularly manufactured and used in the manufacturer’s system.
2. All systems and components shall have been thoroughly tested and proven in actual use.
3. 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

1. The camera shall provide high resolution of 1000TV lines in black and white as well as in color.
2. 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.
3. The camera shall have motorized varifocal lens that varies from 3 to 8.5mm with zoom ratio of 2.8.
4. The camera shall feature WDR (Wide Dynamic Range) with gain of 120dB.
5. 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.
6. 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.
7. The camera shall feature SSNR (Samsung Super Noise Reduction) IV, the high performance noise reduction.
8. The camera shall feature defog mode that intensifies color and contrast in foggy and cloudy weather.
9. The camera shall feature intelligent video analysis such as Fence, Appear/Disappear, and Counting.
10. The camera shall have IP66 and IK10 certification to show robust protection against weather and impact.
11. 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 |

2.04 LENS

|  |  |
| --- | --- |
| 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 |

2.05 OPERATIONAL

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| --- | --- |
| 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 ±10%) |
| B. Power Consumption | Max. 5W |

**2.07 ENVIRONMENTAL SPECIFICATIONS**

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| --- | --- |
| 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 PHYSCIAL SPECIFICATIONS**

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| --- | --- |
| 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.