

SCO-5083R 1/3" 1000TVL(1280H) WEATHERPROOF IR 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 SCO-5083R 1/3" 1000TVL(1280H) WEATHERPROOF IR CAMERA

- A. The high-resolution camera shall provide 1000TV lines with minimum illumination of 0 Lux with IR LED on, with an IR distance of 50m.
- B. The camera shall provide a built-in varifocal lens (3~10mm), ICR for true day/night performance, motion detection, SSNR III for digital noise reduction, and communication through RS-485 or coaxial control.
- C. The camera shall have an IP66 weatherproof housing.
- D. The camera shall operate on dual power (12V DC and 24V AC).

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage Dual (12V AC, 24V AC $\pm 10\%$)
- B. Power Consumption 9.5W

2.04 VIDEO SPECIFICATIONS

- A. Imaging Device 1/3" 1.3M CMOS
- B. Total Pixels (horizontal x vertical) 1,312(H) x 1,069(V)
- C. Effective Pixels (horizontal x vertical) 1,305(H) x 1,049(V)
- D. Scanning system Progressive scan
- E. Synchronization Internal,
- F. Frequency (horizontal x vertical)
 - 1. SCO-2081RN 15.734 KHz (H), 59.94Hz (V)
 - 2. SCO-2081RP 15.625 KHz (H), 50Hz (V)
- G. Horizontal Resolution Color : 1000TV Lines
B/W : 1000TV Lines
- H. Min. Illumination
 - 1. Color 0.05Lux @F1.4 (50IRE), 0.001Lux (1sec, F1.4, 50IRE)
0.02Lux @F1.4 (30IRE), 0.0006Lux (1sec, F1.4, 30IRE)
 - 2. B/W 0.0Lux (IR LED On)
- I. S / N (Y signal) 52dB (AGC off, Weight on)
- J. Video Output CVBS: 1.0 Vp-p, 75 Ω composite

2.05 LENS SPECIFICATIONS

- A. Focal Length (Zoom Ratio) 3 ~ 10mm (V/F, 3.3)
- B. Max. Aperture Ratio F1.4

C. Minimum Object Distance	0.5m (1.64ft)
D. Angular Field of View	82.0°(Wide) ~ 26.5°(Tele) (horizontal) 59.7°(Wide) ~ 19.9°(Tele) (vertical)
E. Min Object Distance	0.5M (1.64ft)
F. Focus Control	Manual
G. Lens Type	DC auto iris
H. Mount Type	Board type

2.06 OPERATIONAL SPECIFICATIONS

A. On-Screen Display	English, Chinese, Korean, Japanese, German, Italian, French, Spanish, Russian, Czech, Polish, Romanian, Serbian, Swedish, Danish, Turkish, Portuguese
B. Camera Title	On, Off (displays 15 characters)
C. Day & Night	Auto (ICR), Color, B/W, External
D. Anti IR Saturation	Top, Bottom, Left, right
E. Backlight Compensation	User BLC, HLC, WDR, Off
F. Wide Dynamic Range	120dB
G. Contrast Enhancement	SSDR (Off, ON)
H. Digital Noise Reduction	SSNR III (Off, On)
I. Defog Off, Auto, Manual	
J. Purple Fringe Reduction	Off, Low, Middle, High
K. Digital Image Stabilization	On, Off
L. Tampering	On, Off
M. Motion Detection	On, Off
N. Intelligent Video Analytics	Fence, (Dis)Appear, Counting(Off, On)
O. Privacy Masking	On, Off (24 programmable zones with 4 points polygonal masking)
P. Gain Control	Low, Middle, High, Off
Q. White Balance	ATW, Manual, Indoor, Outdoor, AWC, Mercury (1,800K°~10,500°K)
R. Electronic Shutter Speed	1sec ~ 1/12,000sec
S. Reverse	Off, H-Rev, V-Rev, HV-Rev
T. Profile	Basic, Day&Night, Backlight, ITS, Indoor, Use
U. Alarm	1 Out
V. Communication	Coaxial control (SPC-300 compatible)
W. Protocol	Coax : Pelco-C (Coaxitron) RS-485 : Samsung-T/E, Pelco-D/P, Panasonic, Bosch, Honeywell, Vicon, AD, GE
X. IR Distance	50m(164.04ft) (IR LED: 36each)

2.07 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature	-30°C ~ +55°C (-22°F ~ +131°F)
B. Operating Humidity	Less than 90% RH Start up should be done at above -10°C

2.08 MECHANICAL SPECIFICATIONS

A. Dimension	78.0 x 272.8mm(3.07" x 10.74")(Without sun shield)
B. Weight	1.5Kg (3.31lb)
C. Ingress Protection	IP66
D. Vandal Resistance	IK10

2.09 CERTIFICATIONS

A. CE
B. FCC
C. UL/cUL Listed