

SCP-2270 / SCP-2270H 1/4" 27X PTZ 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 SCP-2270 / SCP-2270H 1/4" 27X PTZ DOME CAMERA

- A. The camera shall have a 1/4" imager and provide 600TV lines resolution in color and 700 TV lines in black/white, with and a minimum illumination to 0.2 Lux in color and 0.02 in black/white.
- B. The camera shall provide 27x optical zoom (3.5~94.5mm); digital 16x..
- C. This camera shall provide communication through RS-485 or coaxial control.
- D. This camera and shall operate on 24V AC.
- E. Models of this camera shall have an IP66 weatherproof housing.
- F. The camera shall provide a customizable on-screen display (OSD) which shall be available in English, Japanese, Spanish, French, Portuguese, Taiwanese and Korean in NTSC and in English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Turkish and Portuguese in PAL.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage 24V AC
- B. Power Consumption, max.
 - 1. Basic Model 15W
 - 2. With Housing 15W; 60W with fan and heater on

2.04 VIDEO SPECIFICATIONS

- A. Imaging Device 1/4" Ex-view HAD CCD
- B. Total Pixels (horizontal x vertical)
 - 1. NTSC models 811 x 508
 - 2. PAL models 795 x 596
- C. Effective Pixels (horizontal x vertical)
 - 1. NTSC models 768 x 494
 - 2. PAL models 752 x 582
- D. Scanning System 2:1 Interlace
- E. Synchronization Internal, Line lock
- F. Frequency (horizontal, vertical)
 - 1. NTSC models 15.734KHz, 59.94Hz
 - 2. PAL models 15.625KHz, 50Hz
- G. Horizontal Resolution

- | | |
|----------|--------------|
| 1. Color | 600 TV Lines |
| 2. B/W | 700 TV lines |

H. Min. Illumination	
1. Color	0.2Lux @F1.5 (50 IRE), 0.0001 Lux (Sens-up, 512x),
2. B/W	0.002Lux @F.16 (50 IRE), 0.0001Lux (Sens-up, 512x)
I. S / N (Y signal)	52dB (AGC off, Weight on)
J. I. Video Output	CVBS: 1.0 Vp-p, 75Ω composite
2.05 LENS	
A. Focal Length (Zoom Ratio)	3.5 ~ 94.5mm (Optical 27x)
B. Max. Aperture Ratio	1:1.6(Wide) ~ 3.9(Tele)
C. Min. Object Distance	1.8m (5.91ft)
D. Angular Field of View (27x)	55.5°(Wide) ~ 2.24°(Tele) (H) 42.5°(Wide) ~ 1.62°(Tele) (V)
E. Focus	Auto, Manual, One AF
F. Zoom Movement Speed (27x)	1.8sec
2.06 PAN/TILT	
A. Pan Speed/Range	Preset: 600°/sec Manual: 0.0024°/sec ~ 120°/sec
B. Pan Range	360° Endless
C. Tilt Speed	Preset: 600°/sec Manual: 0.024°/sec ~ 120°/sec
D. Tilt Range	-5° ~185°
E. Presets	
1. Number	255
2. Accuracy	±0.1°
2.07 OPERATIONAL SPECIFICATIONS	
A. On-Screen Display	
1. NTSC models	English, Japanese, Spanish, French, Portuguese, Taiwanese and Korean
2. PAL models	English, French, German, Spanish, Italian, Chinese, Russian, Polish, Czech, Turkish and Portuguese
B. Camera Title	Off, On (displays 12 characters)
C. Day & Night	Auto (IRC), External, Color, B/W
D. Motion Detection	Built-in
E. Backlight Compensation	BLC, HLC, Off
F. Contrast Enhancement	SSDR (Off, On)
G. Digital Noise Reduction	SSNRIII (Off, On)
H. Digital Image Stabilization	Off, On
I. Privacy Masking	Off, On (8 programmable zones)
J. Sens-up (Frame Integration)	2x ~ 512x
K. White Balance	ATW, Manual, Indoor, Outdoor, AWC (1,700K°~11,000°K)
L. Electronic Shutter Speed	
1. NTSC models	1/60 ~ 1/120,000sec
2. PAL models	1/50 ~ 1/120,000sec
M. Digital Zoom	Off, On (2x ~ 16x)
N. Digital Flip	Off, On
O. VPS	Off, On
P. Intelligent Video	Off, Detection, Tracking, Fixed/Moved
Q. PIP	Off, On
R. Schedule	Day, Time
S. Alarm	8 in, 3 out
T. Communication	RS-485, Coaxial control

U. Protocol

1. Coax
2. RS-485

Pelco-C (Coaxitron)
Samsung-T, Samsung-E, Pelco-D, Pelco-P,
Panasonic, Honeywell, Vicon, Bosch

2.08. ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature

1. Basic Model -10°C ~ +50°C (+14°F ~ +122°F)
2. With Housing -50°C ~ +50°C (-58°F ~ +122°F)

B. Operating Humidity

1. Basic Model 20~80% RH
2. With Housing up to 100% RH

C. Ingress Protection

1. With Housing IP66

2.09 MECHANICAL SPECIFICATIONS

A. Dimension

1. Basic Model ø155 x 243.2mm (ø 6.1 x 9.58")
3. With Housing ø248 x 316.5mm (ø 9.76 x 12.46")

B. Weight

1. Basic Model 2 Kg (4.41 lb)
2. With Housing 4.5 Kg (9.92 lb)

C. Materials

Aluminum, Plastic

D. Colors

Ivory

E. Dome

Clear

2.10 MODELS

A. NTSC

1. SCP-2270N basic version
2. SCP-2270HN basic with vandal resistant housing

B. PAL

1. SCP-2270P basic version
2. SCP-2270HP basic with vandal resistant housing

2.11 ACCESSORIES

A. SBP-300WM1

PTZ Wall Mount

B. SBP-300WM

PTZ Wall Mount Gooseneck style

C. SBP-300CM

Ceiling Mount

D. SBP-300LM

Speed Dome ParaPet Mount Adaptor

E. SBP-300HM1

Threaded Cap adapter for indoor models

F. SBP-300PM

Pole Mount for SBP-300WM

G. SBP-300KM

Corner Mount for SBP-300WM

H. SHP-3700F

Indoor PTZ Housing

2.12 CERTIFICATIONS

A. FCC (Class A), UL/cUL Listed

SCP-2270N, SCP-2270HN

B. CE, UL/cUL Listed

SCP-2270P, SCP-2270HP

2.13 WARRANTY

A. 3 years parts and service