

SNO-5080R 1.3MEGAPIXEL HD WEATHERPROOF NETWORK 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 SNO-5080R 1.3MEGAPIXEL HD WEATHERPROOF NETWORK IR CAMERA

- A. This network IR camera that shall provide up to 1.3M (1280x1024) resolution with 16:9 full HD (720p) resolution.
- B. The camera shall have 2.9 ~ 10mm varifocal (3.6x) lens.
- C. The camera shall support simultaneous transmission of multiple codec (H.264, MPEG-4 and MJPEG).
- D. The camera shall provide IR LED and PoE.
- E. The camera shall have an IP66 weatherproof housing.
- F. The camera shall provide a customizable on-screen display (OSD) which shall be available in English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Romanian, Serbian, Dutch, Croatian, Hungarian, and Greek.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage 24V AC, 12V DC, PoE (IEEE802.3af)
- B. Power Consumption, max. 11W

2.04 CAMERA

- A. Imaging Device 1/3" 3M PS CMOS
- B. Total Pixels (horizontal x vertical) 1,384 x 1,076
- C. Effective Pixels (horizontal x vertical) 1,329 x 1,049
- D. Scanning System Progressive
- E. Min. Illumination
 - 1. Color 0.3Lux (F1.2, 50IRE), 0.005 Lux (Sens-up, 60x)
 - 2. Black/White 0.0Lux (F1.2, 50IRE, IR LED on)
- F. SN Ratio 50dB
- G. Video Output DIP Connector type
 - 1. NTSC 704x480, for installation
 - 2. PAL 704x576, for installation

2.05 LENS

- A. Focal Length (Zoom Ratio) 2.8~ 10mm (3.6x) varifocal
- B. Aperture ratio, max. F1.2

C. Angular Field of View	H: 94.6°(Wide) ~ 28.8°(Tele) V: 68.4°(Wide) ~ 21.6°(Tele)
D. Focus control	Manual
E. Drive Type	DC auto iris
F. Mount Type	Board-in

2.06 OPERATIONAL SPECIFICATIONS

A. IR LED	31 each
B. Viewable Length	30m
C. Camera Title	Off, On (displays up to 15 characters)
D. Day and Night	Auto (ICR), Color, BW
E. Backlight Compensation	BLC, HLC, Off
F. Contrast Enhancement	SSDR (Off, On)
G. Digital Noise Reduction, SSNR/III 2D+3D noise filter	Off, On
H. Motion Detection	Off, On (4 programmable zones)
I. Privacy Masking	Off, On (12 programmable zones)
J. Sens-up (Frame Integration)	Off, Auto (2x ~ 60x)
K. Gain Control	Off, Low, Medium, High, Manual
L. White Balance	ATW AWC, Manual, Indoor, Outdoor
M. Electronic Shutter Speed	Auto, A.FLK, Manual (1/30~30,000sec)
N. Flip/Mirror	Off, On
O. Intelligent Video Analytics	Scene change, Virtual line, Enter/Exit, Appear/Disappear
P. Alarm I/O	Input, 1 each. Output, 1 each (relay)

2.08 NETWORK

A. Ethernet	RJ-45 (10/100Base-T)
B. Video Compression	H.264, MPEG-4, MJPEG
C. Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768, 800 x 600, 640 x 480, 320 x 240
D. Max Framerate	22fps (1280 x 1024), 30fps (720P HD)
E. Video Quality	Compression level, Target bitrate level control Quality level control
1. H.264, MPEG-4	
2. MJPEG	
F. Bitrate Control	VBR or CBR
1. H.264, MPEG-4	VBR
2. MJPEG	
G. Streaming	Multiple, up to 10 profiles
H. IP	IPv4, IPv6
I. Network Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1, v2c, v3 (MIB-2), ARP, DNS, DDNS, ONVIF
J. Security	HTTPS (SSL) login authentication, Digest login authentication, IP Address filtering, User access log,
K. Streaming Method	Unicast, Multicast
L. User Access	10 users at Unicast
M. ONVIF Conformance	Yes
O. Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Romanian, Serbian, Dutch, Croatian, Hungarian, and Greek

P. Web Viewer

1. Supported OS

Windows XP, Windows Vista, Windows 7, MAC OS

2. Supported Browser

Internet Explorer 6.0 or higher, Firefox, Chrome, Safari

Q. Central Management Software

NET-i Viewer

2.09 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature

-10°C ~ +50°C (+14°F ~ +122°F)

B. Operating Humidity

< 90% RH

2.10 PHYSICAL SPECIFICATIONS

A. Dimension

86.0 x 86.1 x 332.8mm (3.39 x 3.39 x 13.1")

B. Weight

1.3Kg (2.87 lb)

C. Color

Dark gray

D. Material

Metal

2.11 CERTIFICATIONS

A. UL Listed

B. UL Listed to Canadian safety standards

C. CE mark

D. FCC mark

2.12 WARRANTY

A. 3 years, parts and labor.