SNO-1080RP VGA 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-1080RP VGA WEATHERPROOF NETWORK IR CAMERA

A. This network IR camera that shall provide up to VGA (640x480) resolution.

B. The camera shall have 2.3 ~ 7.9mm varifocal lens.

C. The camera shall support simultaneous transmission of dual codec (H.264,and MJPEG).

D. Built-in IR LED (31ea), viewable length of 30m 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, Rumanian, Serbian, Dutch, Croatian, Hungarian, and Greek.

* 1. ELECTRICAL SPECIFICATIONS

1. Input Voltage 12V DC, PoE (IEEE802.3af)
2. Power Consumption, max. 7W

**2.04 CAMERA**

A. Imaging Device ¼ PS CMOS

B. Scanning System Progressive

E. Min. Illumination

1. Color .7 Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x)

F. SN Ratio 50dB

G. Video Output CVBS

1. NTSC 704x480, for installation

2. PAL 704x576, for installation

**2.05 LENS**

A. Focal Length (Zoom Ratio) 2.3 to 7.9mm (2.8x) varifocal lens

B. Aperture ratio, max. F1.2

C. Angular Field of View H : 94°(Wide) ~ V 26.5°(Tele),

V: 68.4°(Wide) ~ 21.6°(Tele)

D. Focus control Manual

E. Drive Type DC iris

2.06 OPERATIONAL SPECIFICATIONS

A. IR LED 31 each

B. Viewable Length 30m

C. Camera Title Off / On (Displayed up to 15 characters)

D. Day and Night Auto (ICR) / Color / B/W / External B/W

E. Backlight Compensation Off / BLC / HLC / WDR

F. Contrast Enhancement SSDR (Samsung Super Dynamic Range) (Off / On)

G. Digital Noise Reduction, SSNRIII (2D+3D noise filter) (Off / On)

H. Motion Detection On, Off

I. Sens-up (Frame Integration) Off / Auto

J. Gain Control Off / Low / Medium / High

K. White Balance ATW / AWC / Manual / Indoor / Outdoor

L. Electronic Shutter Speed Auto / A.FLK / Manual

M. Flip/Mirror Off, On

**2.08 NETWORK**

A. Ethernet RJ-45 (10/100Base-T)

B. Video Compression H.264,MJPEG

C. Resolution 640x480 VGA

D. Max Framerate H.264 : Max. 25fps at all resolutions

E. Video Quality

1. H.264 Compression level, Target bitrate level control

2. MJPEG Quality level control

F. Bitrate Control

1. H.264 VBR or CBR

2. MJPEG VBR

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, Rumanian, 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 (-48°F ~ +122°F) / Less than 90% RH

B. Operating Humidity < 90% RH

**2.10 PHYSCIAL SPECIFICATIONS**

A. Color Dark gray

B. 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.