

SNV 7082 3 MEGAPIXEL FULL HD VANDAL-RESISTANT NETWORK 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 SNV 7082 3 MEGAPIXEL FULL HD VANDAL-RESISTANT NETWORK CAMERA

- A. The network camera shall offer 3M resolution (2048 x 1536) with 16:9 full HD (1080p) resolution support.
- B. The camera shall provide video compression dual codec (H.264 and MJPEG).
- C. The camera shall provide WDR and Smart codec (ROI encoding).
- D. 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.

2.03 CAMERA

- A. Imaging Device 1. 3" 3.1M PS CMOS
- B. Total Pixels 2,064(H) x 1,578(V)
- C. Effective Pixels 2,052(H) x 1,536(V)
- D. Scanning System Progressive
- F. Min. Illumination
 - 1. Color 0.7Lux (F1.2, 50IRE), 0.011Lux (Sens-up 60x)
 - 2. B/W 0.07Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)
- G. S / N Ratio 50dB
- H. Video Output CVBS: 1.0Vp-p / 75ohm composite, 704x480(N), 704x576(P), for installation

2.04 LENS TYPE

- A. Lens Type Manual, DC auto iris
- B. Mount Type C/CS

2.05 OPERATION

- A. Camera Title Off, On (Displayed up to 15 characters)
- B. Day & Night Auto (ICR), Color, B/W, External B/W
- C. Backlight Compensation Off, BLC, HLC, WDR
- D. Wide Dynamic Range Off, / On (96dB) 3M mode : 20fps 2M mode : 30fps
- E. Contrast Enhancement SSSDR On, Off
- F. Digital Noise Reduction SSNRlll On, Off

G. Motion Detection	Off, On (4 programmable zones)
H. Privacy Masking	Off, On (1 each 4 point-polygonal and 16 each rectangular zone)
I. Sens-up (Frame Integration)	Off, Auto (2x ~ 60x)
J. Gain Control	Off, Low, Middle, High
K. White Balance	ATW, AWC, Manual, Indoor, Outdoor
L. Electronic Shutter Speed	Auto, A.FLK, Manual (1/30 ~ 12,000sec)
M. Flip / Mirror	Off, On
N. Intelligent Video Analytics	Audio detection, Face detection, Tampering, Virtual line, Enter / Exit, Appear / Disappear
O. Alarm I/O	Digital 1/1
P. Alarm Triggers	Motion detection, Video analytics, Sensor input
Q. Alarm Events	File upload via FTP, E-mail / Notification via E-mail, TCP / Local storage (SD/SDHC) recording at network disconnected, External output

2.06 NETWORK PROTOCOL

A. Ethernet	RJ-45 (10/100Base-T)
B. Video Compression Format	H.264(MPEG-4 part 10/AVC), MJPEG
C. Resolution	Max 20 fps at all resolutions 800 x 600 ~ 320 x 180, 20fps 1280 x 1024 ~ 1600 x 1200, 15fps 1920 x 1080 ~ 2048 x 1536, 10fps
1. 3M Mode, H.264	Max. 30fps at all resolutions
2. 3M Mode, MJPEG	800 x 600 ~ 320 x 180, 30fps 1280 x 1024 ~ 1920 x 1080, 15fps
3. 2M Mode, H.264	
4. 2M Mode, MJPEG	
D. Max. Framerate	20fps 30fps
1. 3M Mode	
2. 2M Mode	
E. Video Quality Adjustment	Compression level, Target bit rate level control Quality level control
1. H.264	
2. MJPEG	
F. Bitrate Control Method	CBR or VBR VBR
1, H.264	Multiple streaming (Up to 6 profiles)
2. MJPEG	Mic/ Line in, Line out
G. Streaming Capability	G.711 u-law, G.726 (16kbps, 24kbps, 32kbps, 40kbps)
H. Audio I/O	Bi-directional audio
I. Audio Compression Format	IPv4, IPv6
J. Audio Communication	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, QOS, UPNP, ONVIF
K. IP	HTTPS(SSL) login authentication, Digest login authentication, IP address filtering, User access log, 802.1x authentication
L. Protocol	Unicast, Multicast 10 users at Unicast mode SD/SDHC memory slot
M. Security	Yes
N. Streaming Method	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian,
O. Max. User Access	
P. Memory Slot	
Q. ONVIF Conformance	
R. Webpage Language	

Dutch, Croatian, Hungarian, and Greek

S. Web Viewer

1. Supported OS

Windows XP, Windows Vista, Windows 7,

Mac OS X 10.7 or higher

2. Supported Browser

Internet Explorer 7.0 or higher, Firefox, Chrome, Safari

T. Central Management Software

NET-i viewer

2.07 ELECTRICAL

A. Voltage

12V DC, PoE (IEEE802.3af)

B. Consumption

Maximum 9W (12V DC, PoE(Class3) – Heater off) ,

Maximum 12.95W(PoE(Class3) – Heater on)

2.08 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature

-10°C ~ +55°C (14°F ~ 131°F)

B. Operating Humidity

20% ~ 80% RH

2.09 PHYSICAL SPECIFICATIONS

A. Dimension (WxH)

Φ 160.0 x 134.5mm (Φ 6.3" x 5.3")

B. Weight

1.42Kg (3.13 lb)

C. Color

Ivory

D. Material

Aluminum

2.10 CERTIFICATIONS

A. CE mark

B. FCC mark

2.11 WARRANTY

A. 3 years, parts and labor.