SND 7011 3 MEGAPIXEL FULL HD NETWORK 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 SND 7011 3 MEGAPIXEL FULL HD NETWORK DOME 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 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, Greek, Norwegian, Finnish

**2.03 CAMERA**

A. Imaging Device 1. 28” 3M PS CMOS

B. Total Pixels 2,144(H) x 1,588(V)

C. Effective Pixels 2,096(H) x 1,561(V)

D. Scanning System Progressive

F. Min. Illumination 0.9Lux (F1.2, 50IRE), 0.015Lux (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. Focus Control Manual

B. Mount Type Board-in type

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

D. Digital Noise Reduction SSNR On, Off

E. Motion Detection Off, On (4 programmable zones, 3M 15fps, 2M 20fps)

F. Privacy Masking Off, On (12 rectangular zone)

G. Sens-up (Frame Integration) Off, Auto (2x ~ 60x)

G. Gain Control Off, Low, Middle, High

I. White Balance ATW, AWC, Manual, Indoor, Outdoor

J. Electronic Shutter Speed Auto, A.FLK, Manual (1/30 ~ 12,000sec)

K. Flip / Mirror Off, On

L. Intelligent Video Analytics Tampering(3M 15fps, 2M 20fps)

M. Alarm I/O Input 1ea

2.06 NETWORK PROTOCOL

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

B. Video Compression Format H.264, MJPEG

C. Resolution

1. 3M Mode, 2048 x 1536, 1920 x 1080p(Full HD), 1600 x 1200,

1280 x 1024, 1280 x 960, 1280 x 720p (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180

2. 2M Mode 1920 x 1080p(Full HD), 1280 x 960, 1280 x 720p(HD),

1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180

D. Max. Framerate

1. 3M Mode, H.264 Max 20 fps at all resolutions

2. 3M Mode, MJPEG 800 x 600 ~ 320 x 180, 20fps

1280 x 1024 ~1920 x 1080, 15fps

2048 x 1536, 10fps

3. 2M Mode, H.264 Max. 30fps at all resolutions

4. 2M Mode, MJPEG 800 x 600 ~ 320 x 180, 30fps

1280 x 1024 ~ 1920 x 1080, 15fps

E. Video Quality Adjustment

1. H.264 Compression level, Target bit rate level control

2. MJPEG Quality level control

F. Bitrate Control Method

1, H.264 CBR or VBR

2. MJPEG VBR

G. Streaming Capability Multiple streaming (Up to 5 profiles)

H. IP IPv4, IPv6

I. 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, QOS, ONVIF

J. Security HTTPS(SSL) login authentication,   
Digest login authentication, IP address filtering,   
User access log, 802.1x authentication

K. Streaming Method Unicast, Multicast

L. Max. User Access 10 users at Unicast mode

M. ONVIF Conformance Yes

N. Webpage Language English, French, German, Spanish, Italian, Chinese,   
 Korean, Russian, Japanese, Swedish, Danish,   
 Portuguese, Turkish, Polish, Czech, Rumanian, Serbian,

Dutch, Croatian, Hungarian, Greek, Norwegian, Finnish

O. 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

P. Central Management Software NET-i viewer

**2.07 ELECTRICAL**

A. Voltage 12V DC, PoE (IEEE802.3af)

B. Consumption Maximum 3.7W (12V DC)

Maximum 4.3W(PoE)

**2.08 ENVIRONMENTAL SPECIFICATIONS**

A. Operating Temperature -10°C ~ +55°C (14°F ~ 131°F)

B. Operating Humidity Less than 90% RH

C. Storage Temperature -30°C ~ +60°C (-22°F ~ 140°F)

D. Storage Humidity Less than 90% RH

**2.09 PHYSCIAL SPECIFICATIONS**

A. Dimension (WxH) Φ107.6 x 83.7mm (Φ4.24” x 3.3”)

B. Weight 285g (0.63 lb)

C. Color Ivory

D. Material Plastic

**2.10 CERTIFICATIONS**

A. CE mark

B. FCC mark

2.11 WARRANTY

A. 3 years, parts and labor.