

SNV-6013 2MEGAPIXEL FULL HD VANDAL-RESISTENT 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 SNV-6013 2MEGAPIXEL FULL HD VANDAL-RESISTENT NETWORK DOME CAMERA

- A. The camera shall be of a compact flat dome type suitable for internal or external installation. The camera shall be ivory in appearance. The camera shall have an IK10 vandal-resistant and IP66 waterproof body.
- B. The network camera shall feature up to 2 Mega Pixel Full HD (1080p) resolution in a 16:9 format. 4:3 format shall also be available in smaller resolutions.
- C. The camera should be capable of capturing and transmitting an image size of 1920 x 1080 at 60 images per second.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage PoE (Class A type only)
- B. Power Consumption, max. Max 7.5W

2.04 CAMERA

- A. Imaging Device 1/2.8" PS Exmor 2.38M CMOS(IMX136)
- B. Total Pixels (horizontal x vertical) 1,952 x 1,116
- C. Effective Pixels (horizontal x vertical) 1,944 x 1,104
- D. Scanning System Progressive
- E. Min. Illumination 0.1Lux (1/30sec, F1.2, 50IRE),
0.0017Lux (2sec, F1.2, 50IRE)
- F. Video Output CVBS: 1.0 Vp-p, 75 ohms composite
 - 1. NTSC 704x480, for installation
 - 2. PAL 704x576, for installationDIP connector type

2.05 LENS

- A. Focal Length (Zoom Ratio) 2.8mm fixed
- B. Aperture ratio, max. F1.8
- C. Angular Field of View H: 112°(Wide) / V:62°
- D. Lens Type Fixed
- E. Mount Type Board-in type
- F. Min. Object Distance 0.2m(0.66ft)

2.06 OPERATIONAL SPECIFICATIONS

- A. Camera Title Off, On (displays 45 characters)

B. Day and Night	Auto (Electrical), Color, B/W
C. Backlight Compensation	BLC, Off
D. Wide Dynamic Range	120dB
E. Contract Enhancement, SSDR	Off, On
F. Digital Noise Reduction, SSNR/III 2D+3D noise filter	Off, On
G. Digital Image Stabilization	Off, On
H. Defog	Off, Auto, Manual
I. Motion Detection	Off, On (4ea 4 points polygonal zones)
J. Privacy Masking	Off, On (32 zones with 4 points of polygonal)
K. Gain Control	Off, Low, Middle, High
L. White Balance	ATW AWC, Manual, Indoor, Outdoor
M. Electronic Shutter Speed	Minimum, Maximum, A.FLK(2~1/12,000sec)
N. Digital Zoom	16x
O. Flip/Mirror	Off, On
P. Intelligent Video Analytics	Tampering, Virtual line, Enter/Exit, Appear/Disappear, Face detection
Q. Alarm Triggers	Motion detection, Face detection, Video analytics, Network disconnection, Tampering
R. Alarm Events	File upload via FTP and E-Mail Notification via E-Mail, local storage(SD/SDHC/SDXC), recording at Event

2.07 NETWORK

A. Ethernet	RJ-45 10/100Base-T
B. Video Compression	H.264 (MPEG-4 Part 10/AVC), Motion JPEG
C. Resolution	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180
D. Max Framerate	H.264 : Max 60fps at all resolutions Motion JPEG : 1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 : Max. 15 fps 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180 : Max. 30fps
E. Video Quality Adjustment	Compression level, Target bitrate level control
1. H.264	Quality level control
2. MJPEG	
F. Bitrate Control	
1. H.264, MPEG-4	VBR or CBR
2. MJPEG	VBR
G. Streaming	Multiple, up to 10 profiles
H. Audio I/O	N/A
I. Audio Compression Format	N/A
J. Audio Communication	N/A
K. IP	IPv4, IPv6
L. Network Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour
M. Security	HTTPS (SSL) login authentication, Digest login authentication, IP Address filtering, User access log, 802.1x authentication
N. Streaming Method	Unicast, Multicast
O. User Access	15 users at Unicast level

P. Memory Slot	Micro SD/SDHC/SDXC - Recorded data in the SD/SDHC/SDXC memory card can be downloaded
Q. ONVIF Conformance	ONVIF Profile S, HTTP API v2.0, SVNP 1.2
R. Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatia, Hungary, Greek, Finnish, Norwegian
S. Web Viewer	
1. Supported OS :	Windows XP / VISTA / 7 / 8, MAC OS X 10.7
2. Supported Browser :	Microsoft Internet Explorer (Ver. 10, 9, 8, 7), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17, 16, 15), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 Only), 5.1.7) * Mac OS X Only
T. Central Management Software	SmartViewer
U. Smart Codec	Yes(Area based method)

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 (+14 °F ~ +131 °F)
D. Storage Humidity	Less than 90% RH
E. Ingress Protection	IP66
F. Vandal Resistance	IK10

2.09 PHYSICAL SPECIFICATIONS

A. Dimension	Ø 112.8 x 63.7mm (Ø4.44" x 2.51")
B. Weight	550g(1.21lb)
C. Color	Ivory
D. Materials	Aluminum

2.10 CERTIFICATIONS

- A. UL Listed
- B. CE mark
- C. FCC mark

2.11 WARRANTY

- A. 3 years, parts and labor.