

SNB 6010 2 MEGAPIXEL 4.6mm REMOTE HEAD 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 SNB 6010 2 MEGAPIXEL 4.6mm REMOTE HEAD NETWORK CAMERA

- A. The camera shall be of a bodied type suitable for installation internally with remote head lens.
- 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 30 images per second.

2.03 CAMERA

- A. Imaging Device 1/ 2.8" 2M PS Exmor 2.38M CMOS
- B. Total Pixels 1,952(H) x 1,116(V)
- C. Effective Pixels 1,944(H) x 1,104(V)
- D. Scanning System Progressive
- E. Min. Illumination
Color 0.5 Lux (1/30sec, F2.5, 50IRE),
0.22Lux (1/30sec, F1.2, 30IRE)

2.04 LENS TYPE

- A. Focal Length 4.6mm pinhole
- B. Max. Aperture ratio F2.5
- C. Angular Filed of View H : 71° / V : 38°
- D. Mim. Object Distance 0.3m
- E. Mount Type RJ-12 connected with main unit

2.05 OPERATION

- A. Camera Title Off / On (Displayed up to 45 characters)
- B. Day & Night Auto (Electrical) / Color / B/W / External / Schedule
- C. Backlight Compensation Off, BLC, WDR
- D. Wide Dynamic Range 120dB
- E. Contrast Enhancement SSDR On, Off
- F. Digital Noise Reduction SSNR III On, Off
- G. Motion Detection Off / On (4 zones with 4-sided polygon)
- H. Privacy Masking Off / On (4 zones with 4-sided polygon)
- 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	Minimum / Maximum / Anti flicker (1.2 ~ 1/10,000sec)
M. Flip / Mirror	Off, On
N. Intelligent Video Analytics	Tampering, Virtual Line, Enter/Exit, Appear / Disappear
O. Alarm I/O	Input 1ea / Output 1ea
P. Alarm Triggers	Motion detection, Tampering detection, Alarm Input, Video analytics, Network Disconnection
Q. Alarm Events	File upload via FTP and E-Mail Notification via E-Mail, local storage(SD/SDHC/SDXC) or NAS recording at Event, External output
R. Defog	Auto/Manual/Off
S. Digital Image Stabilization	Off / On

2.06 NETWORK

A. Ethernet	RJ-45 (10/100Base-T)
B. Video Compression Format	H.264(MPEG-4 part 10/AVC), MJPEG
C. Resolution	1920x1080 /1600x1200/ 1280x1024 /1280x960 / 1280x720 / 1024x768 / 800x600 / 800x450 / 640x480 / 640x360 / 320x240 / 320x180
D. Max. Framerate	Max 30fps at all resolutions
1. H264	1920x1080 /1600x1200/ 1280x1024 /1280x960 / 1280x720 / 1024x768 : Max. 15 fps
2. Motion JPEG	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 Method	CBR or VBR
1. H.264	VBR
2. MJPEG	Multiple Streaming (Up to 10 Profiles)
G. Streaming Capability	IPv4, IPv6
H. IP	TTCP/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
I. Protocol	HTTPS(SSL) Login Authentication
J. Security	Digest Login Authentication
	IP Address Filtering
	User access Log
	802.1x Authentication
K. Streaming Method	Unicast, Multicast
L. Max. User Access	15 users at Unicast mode
M. Memory Slot	SD/SDHC/SDXC
	- motion Images recorded in the SDX/SDHC/SD memory card can be downloaded. NAS(network attached storage)
N. Application Programming Interface	ONVIF Profile S, SUNAPI(HTTP API), SVN1.2
O. 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
P. Web Viewer	Windows XP / VISTA / 7 / 8, MAC OS X 10.7
1. Supported OS	Microsoft Internet Explorer (Ver. 8~11),
2. Supported Browser	Mozilla Firefox (Ver. 9~19),

		Google Chrome (Ver. 15~25), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 Only), 5.1.7) * Mac OS X Only SmartViewer, SSM
	3. Central Management Software	
2.07	ELECTRICAL	
	A. Voltage	PoE (IEEE802.3af), 12V DC
	B. Consumption	PoE : Max. 7.5W, 12V DC : Max. 6.5W
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	PHYSICAL SPECIFICATIONS	
	A. Dimension	Head : Ø24.0 x 42.4mm (Ø0.94" x 1.67"), Body : 76.0 x 121.1 x 28.0 (2.99" x 4.77" x 1.1")
	B. Weight	305g(0.67lb)
	C. Color	Head : Black / Plastic, Body : Ivory / Plastic
2.10	CERTIFICATIONS	
	A. CE mark	
	B. FCC mark	
2.11	WARRANTY	
	A. 3 years, parts and labor.	