

SNP-5200 1.3 MEGAPIXEL HD 20X NETWORK PTZ 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 SNP-5200 1.3 MEGAPIXEL HD 20X NETWORK PTZ DOME CAMERA

- A. These cameras shall support multi-streaming technologies, transferring real-time high-resolution images at 30 fps with video compression in H.264, MPEG-4 and MJPEG triple codec.
- B. The camera shall provide 4.45~89mm (20x) optical zoom with 16x digital zoom. It shall support PoE plus, SD memory, and bi-directional audio.
- C. Models of this camera shall be available in an IP66 vandal-resistant body with built-in heater and sun shield.
- D. All operation and configuration menus shall be provided in English, Korean, Japanese, Chinese, French, German, Spanish, Italian, Russian, Polish, Czech, Turkish, Dutch, Portuguese, Swedish, Danish, Thai, Romanian, Serbian, Croatian, Hungarian, and Greek.

2.03 ELECTRICAL SPECIFICATIONS

- A. Input Voltage 24V AC, PoE (IEEE802.3at)
- B. Power Consumption
 - 1. SNP-5200N/P Max. 21W
 - 2. SNP-5200HN/HP Max. 12W (Heater Off), Max. 52W (Heater On)
(Heater works with AC input only)

2.04 VIDEO SPECIFICATIONS

- A. Imaging Device 1/3" 1.2M PS CMOS
- B. Total Pixels (horizontal x vertical) 1,384 x 1,076
- C. Effective Pixels (horizontal x vertical) 1,329 x 1,049
- D. Scanning System Progressive
- E. Min. Illumination
 - 1. Color 0.7Lux @F1.6 (50IRE), 0.01Lux (Sens-up 60x, 50IRE),
 - 2. B/W 0.08Lux @F1.6 (50IRE), 0.001Lux (Sens-up 60x, 50IRE)
- F. S / N (Y signal) 52dB
- G. Video Output CVBS: 1.0 Vp-p, 75Ω composite
 - 1. NTSC 704x480, for installation
 - 2. PAL 704x576, for installation

2.05 LENS

- A. Focal Length (Zoom ratio) 4.45 ~ 89mm (20x)

B. Max. Aperture Ratio	F1.6 (Wide), F2.9 (Tele)
C. Min. Object Distance	1m (3.28ft)
D. Angular Field of View	56.56°(Wide) ~ 3.10°(Tele) (H) 42.32°(Wide) ~ 2.34°(Tele) (V)
E. Focus	AF, One-shot AF, Manual
F. Lens Type	DC Auto Iris
G. Mount type	Board-in
2.06 PAN/TILT	
A. Pan Range	360° endless
B. Pan Speed	Preset: 500°/sec Manual: 0.024°/sec ~ 120°/sec
C. Tilt Range	190° (-5° ~ 185°)
D. Tilt Speed	Preset: 500°/sec Manual: 0.024°/sec ~ 120°/sec
E. Preset Positions	255
F. Preset Accuracy	± 0.1°
2.07 OPERATIONAL SPECIFICATIONS	
A. Camera Title	Off, On (displays 15 characters)
B. Day & Night	Auto (IRC), Color, B/W
C. Backlight Compensation	BLC, HLC, Off
D. Contrast Enhancement	SSDR: Off, On
E. Digital Noise Reduction	SSNR III (2D+3D noise filter: Off, On
F. Digital Image Stabilization	Off, On
G. Motion Detection	Off, On (4 programmable zones)
H. Privacy Masking	Off, On (8 programmable zones)
I. Sens-up (Frame Integration)	Off, Auto (2x ~ 60x)
J. Gain Control	Off, Low, Medium, High, Manual
K. White Balance	ATW, AWC, Manual, Indoor, Outdoor
L. Electronic Shutter Speed	Off, A.FLK, Manual (1/30 ~ 30,000sec)
M. Digital Zoom	16x
N. Flip/Mirror	Off, On
O. VPS	Off, On
P. Intelligent Video Analytics	Scene Change, Virtual Line, Enter/Exit, Appear/Disappear
Q. Alarm I/O	Input 4 each, Output 2 each (Relay)
R. Remote Control Interface	RS-485/422
S. RS-485 Protocol	Samsung T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, GE, Bosch
2.08 NETWORK	
A. Ethernet	RJ-45 (10/100 Base-T)
B. Video Compression Format	H.264, MPEG4, MJPEG
C. Resolution	1280 x 1024, 1280 x 720P (HD), 1024 x 768 800 x 600, 640 x 480, 320 x 240
D. Frame Rate	30 fps at all resolutions
E. Video Quality Adjustment	Compression Level, Target Bitrate Level Quality Level Control
1. H.264, MPEG-4	
2. MJPEG	
F. Bitrate Control Method	CBR or VBR
1. H.264, MPEG4	VBR
2. MJPEG	
G. Streaming Capability	Multiple Streaming (Up to 10 Profiles)
H. Audio I/O	Mic/ Line in, Line out
I. Audio Compression Format	G.711 u-law
J. Audio Communication	bi-directional audio

K. IP	IPv4, IPv6
L. 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
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, maximum	10 users at Unicast Mode
P. Memory Slot	SD/SDHC Memory Slot
Q. ONVIF Conformance	Yes
R. Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Romanian, Serbian, Dutch, Croatian, Hungarian and Greek
S. Web Viewer Supported OS	Windows XP, Windows Vista, Windows 7, MAC OS
T. Supported Browser	Internet Explorer 6.0 or Higher, Firefox, Chrome, Safari
U. Central Management	NET-I Viewer

2.09 ENVIRONMENTAL SPECIFICATIONS

A. Operating Temperature	
1. SNP-5200N/P	-10°C ~ +50°C (+14°F ~ +122°F)
2. SNP-5200HN/HP	-50°C ~ +50°C (-58°F ~ +122°F)
B. Operating Humidity	
1. SNP-5200N/P	20%~ 80% RH
2. SNP-5200HN/HP	< 90% RH
C. Ingress Protection	IP66 Grade

2.10 MECHANICAL SPECIFICATIONS

A. Dimension	
1. SNP-5200N/P	Ø155 x 243.4mm (Ø6.1 x 9.58"),
2. SNP-5200HN/HP	Ø248 x 316.5mm (Ø9.76" x 12.46"),
B. Weight	
1. SNP-5200N/P	2.1Kg (4.63 lb)
2. SNP-5200HN/HP	4.6Kg (10.14lb)
C. Materials	
1. SNP-5200N/P	Plastic
2. SNP-5200HN/HP	Aluminum, Plastic sun-shield
D. Color	Ivory

2.11 MODELS

A. SNP-5200N/P	basic version for NTSC and PAL
B. SNP-5200HN/HP	basic with vandal-resistant body, heater and sun shield

2.11 ACCESSORIES

A. SBP-300WM1	Wall Mount Bracket
B. SBP-300WM	PTZ Wall Mount
C. SBP-300CM	Ceiling Mount
D. SBP-300LM	Speed Dome Parapet Mount Adaptor
E. SBP-300HM1	Flange Plate (Hanging Mount)
F. SBP-300PM	Pole Mount for SBP-300WM
G. SBP-300KM	Corner Mount for SBP-300WM
H. SHP-3700F	Indoor PTZ Housing

2.12 CERTIFICATIONS

- A. FCC (Class A), UL/cUL Listed
- B. CE, UL/cUL Listed

2.13 WARRANTY

- A. 3 years parts and service