iPOLiS

H.264
A1 Network Camera

SNB-2000
SNB-3000
SND-3080(F)
SNV-3080

SNB-2000

1/3" H.264 Network Camera

A1 | **H.264** | **4CIF** | **PoE**

- Real-time 30(25)ips at High Resolution(4CIF)
- H.264, MPEG-4 & MJPEG Multiple Encoding
- Progressive Scan
- XDR (eXtended Dynamic Range)
- Motion Adaptive DNR (Dynamic Noise Reduction)
- Privacy Mask (12ea)
- DIS (Digital Image Stabilizer)
- DDNS support, HTTPS security support
- IPv4/IPv6 support
- Standard RTP/RTSP support
- PoE (Power over Ethernet)

Technical Specifications

Camera

Camera			SNB-2000
Camera Type	Color / B/W		Color
Image	Device		Super HAD PS CCD
	Size		1/3"
	Scan		Progressive Scan
	Pixels	Total	NTSC : 811 x 508 / PAL : 795 x 596
		Effective	NTSC : 768 x 494 / PAL : 752 x 582
Scanning	Horizontal Frequency	Internal Mode	NTSC : 15,734Hz PAL : 15,625Hz
	Vertical Frequency	Internal Mode	NTSC : 59.94Hz PAL : 50Hz
Min. Scene Illumination	Color	Sens Off	0.12Lux (15 IRE) / 0.2Lux (30 IRE) / 0.4Lux (50 IRE)
		Sens-up 512x	0.00023Lux (15 IRE) / 0.0005Lux (30 IRE) / 0.0008Lux (50 IRE)
	B/W	Sens Off	0. 12Lux (15 IRE) / 0.2Lux (30 IRE) / 0.4Lux (50 IRE)
		Sens-up 512x	0.00023Lux (15 IRE) / 0.0005Lux (30 IRE) / 0.0008Lux(50 IRE)
Functions	Number of Privacy Zone		12ea (Polygonal method)
	Day & Night		Color / B/W / Auto (Soft method)
	eXtended Dynamic Range(XDR)		On / Off (Level setting)
	Wide Dynamic Range		N/A
	Digital Zoom		1x ~ 16x (0.1x step)
	PIP		On / Off
	Electronic Shutter Speed		NTSC : 1/60 ~ 1/10Ksec / PAL : 1/50 ~ 1/10Ksec
	Sens-up (Frame Integration)		2x ~ 512x
	Backlight Compensation		On / Off (Area setting)
	White Balance		ATW1 / ATW2 / AWC / 3200K° / 5600K°
	Digital Noise Reduction		On / Off (Adaptive 3D + 2D)
	Digital Image Stablization		On / Off
	Camera ID		On / Off (Max. 54ea / 2 line)
	Etc. Function		Detail, Reverse (H/V), Posi/Nega
Resolution	Horizontal / Vertical		600TV lines / 350TV lines
Video Output			VBS 1.0Vp-p
S/N Ratio			52dB
Lens	Lens Drive Type		Manual / AI (VIDEO / DC)
	Mount Type		CS / C
Environmental Conditions	Operating Temperature		-10°C ~ +50°C (+14°F ~ +122°F)
	Operating Humidity		0% ~ 90% RH
Power	Power Requirement		Dual (12V DC / 24V AC), PoE
	Power Consumption		Max. 7W
	LED Indicator		Yes
Physical Specification	Dimensions (WxHxD)		72 x 60 x 138.6mm (2.83" x 2.36" x 5.46")
	Weight		300g (0.66 lb)
	Color / Case		Siver / Metal

Network

Network			SNB-2000
Network Board	OS		Embedded Linux
	Hardware	Flash memory	32M byte
		RAM	256M byte
		Ethernet	RJ-45 (10/100 Base-T)
		Video Out	VBS 1.0Vp-p
		Audio	N/A
		SD Memory Slot	N/A
		PoE	Yes (IEEE802.3af)
Alarm	Input / Output		2ea / 2ea
Video	Compression		H.264 / MPEG-4 / MJPEG Multiple codec (H.264 / MPEG-4 selectable)simultaneous dual streaming
	Resolution	4CIF	NTSC : 704 x 480 / PAL : 704 x 576
		VGA	640 x 480
		CIF	NTSC : 352 x 240 / PAL : 352 x 288
	Max. Frame Rate		NTSC : 30, 15, 8, 3, 1fps / PAL : 25, 13, 6, 3, 1fps
	Quality		1 ~ 10 level (CBR / VBR)
Audio	Compression		N/A
	Bi-Directional Communication		N/A
OSD	Camera Control and Adjustment		OSD menu on video (Menu enter/exit, move by Web UI)
Motion Detection	Sensitivity and Area Setting		High / Medium / Low
Intelligent Video Analytics			N/A
Protocol	IP		IPv4 / IPv6
	Network Protocol	IPv4	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
		IPv6	TCP/IP, HTTP, HTTPS, SSL, DHCP
	Streaming		Unicast, Multicast
	Security		HTTPS (SSL) login authentication, Digest login authentication, IP address filtering
	DDNS		Supporting samsung DDNS and public DDNS services
Connection	Maximum User Access		Max. 10 users at Unicast mode, Max. 20 users at Multicast mode
	User Access Level	Administrator	Live monitoring, Alarm I/O control, OSD menu control, Set up
		Operator	Live monitoring, Alarm I/O control
		User	Live monitoring
Event Management	Alarm Input		JPEG image transfer : FTP, JPEG image recording : SD memory
	Motion Detection		Notification : notify to viewer or by E-mail (one image attachment)
	Schedule		Alarm out
Web Browser Viewer (Default)	Supported OS		Windows XP, VISTA, 7
	Supported Browser		Internet Explorer 6.0 or higher
	UI Language		English, French, German, Spanish, Italian, Chinese, Korean
	S/W Upgrade		Using web viewer UI
Video Player	RTP / RTSP Streaming		Quicktime, VLC player
Video Management Software			Samsung CMS S/W, 3rd party S/W appliction
Application	IP Installation		IP installer application for all Samsung IP devices
SDK	HTTP API	CGI Command	Provides functionality to control cameras and set/retrieve internal parameter values Get JPEG image or MJPEG stream, Alarm in/out control
	RTP/RTSP API		RTP header, RTSP command document
	ActiveX	SDK	ActiveX API for viewing data streams from IP camera

Dimensions

70

138.6

60