iPOLiS

H.264
A1 Network Camera

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

SNB-3000
1/3" H.264 WDR Network Camera

| A1 | H.264 | 4CIF | WDR 128x 160x | D&N ICR | PoE |

- Real-time 30(25)ips at High Resolution(4CIF)
- H.264, MPEG-4 & MJPEG Multiple Encoding
- Progressive Scan
- Day & Night Function(IR Cut Filter)
- WDR (Wide Dynamic Range)
- Bi-directional Audio Support
- SD Memory Slot for Internal Recording
- Intelligent Video Analytics
- XDR (eXtended Dynamic Range)
- Motion Adaptive DNR (Dynamic Noise Reduction)
- Privacy Mask (12ea)
- DIS (Digital Image Stabilizer)
- PoE (Power over Ethernet)

Technical Specifications

Camera

Camera			SNB-3000
Camera Type	Color / B/W		Color
Image	Device		Super HAD PS CCD
	Size		1/3"
	Scan		Progressive Scan (* When WDR on, Interlaced 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	0.012Lux (15 IRE) / 0.02Lux (30 IRE) / 0.04Lux (50 IRE)
		Sens-up 512x	0.000023Lux (15 IRE) / 0.00005Lux (30 IRE) / 0.00008Lux(50 IRE)
Functions	Number of Privacy Zone		12ea (4-point polygonal method)
	Day & Night		Color / B/W / Auto (ICR)
	eXtended Dynamic Range (XDR)		On / Off (Level setting)
	Wide Dynamic Range		NTSC : On / Off (128x) / PAL : On / Off (160x)
	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. 8W
	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-3000
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		Line in / Line out
		SD Memory Slot		Yes (SD / SDHC)
		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			G.711
	Bi-Directional Communication			Yes
OSD	Camera Control and Adjustment			OSD menu on video (Menu enter/exit, move by Web UI)
Intelligent Video Analytics				Scene change, Virtual line, Enter/Exit, Appear/Disappear
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
	Intelligent Video Detection			Notification : notify to viewer or by E-mail (one image attachment), Alarm out
	Schedule			JPEG image transfer : FTP, E-mail, JPEG image recording : SD memory
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

60

138.6