

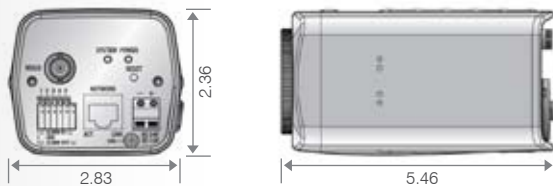
SNC-B233 I

H.264 Network Camera



Dimensions (unit : in)

Front/Rear Panel



Summary

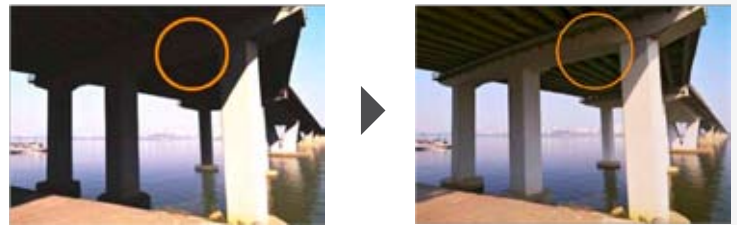
The SNC-B233 I is an IP network enabled color camera equipped with a 1/3" Super HAD progressive scan CCD. H.264 compression significantly lowers the required network bandwidth and storage costs. Simultaneous dual streaming supports H.264/MPEG-4 and MJPEG compression. The SNC-B233 I has an electronic day/night feature that enables B/W mode in low light conditions for 24 hour surveillance. The XDR feature allows the surveillance of darker and strong backlit areas. Power over Ethernet (PoE) reduces the installation time and costs. The camera is compatible with the autoIP™ open VMS platform.

Features

- 1/3" 410K/470K Super-HAD PS CCD
- H.264, MPEG-4 & MJPEG Simultaneous Dual Encoding
- Day/Night Function (Electronic)
- Extended Dynamic Range (XDR)
- Motion Adaptive Digital Noise Reduction
- Back Light Compensation (Area Setting)
- DIS (Digital Image Stabilization)
- Embedded Motion Detection
- Privacy Mask Function (Polygonal Mosaic)
- Horizontal & Vertical Image Mirroring
- Positive/Negative Imaging
- IPv4/IPv6 support
- Analog Output (600 TVL)
- AC24V, DC12V, PoE

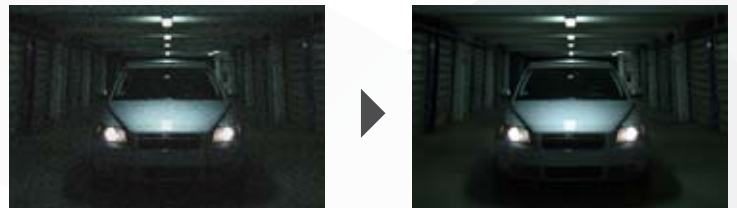
eXtended Dynamic Range (XDR)

Detail is often lost in darker or strong backlit areas. XDR eliminates challenges in heavily shadowed walkways and outdoor parking areas.



Motion Adaptive Digital Noise Reduction (DNR)

SAMSUNG Electronics' exclusive Digital Noise Reduction (DNR) greatly reduces noise found in low light images without introducing the motion blur of common cameras.



SNC-B233 I

H.264 Network Camera



Specifications

Camera Unit

Camera Type	Color/BW		Color	
Image	Device	Super-HAD PS CCD		
	Size	1/3 inch		
	Scan	Progressive Scan		
	Pixels	Total	NTSC : 811 x 508	
		Effective	NTSC : 768 x 494	
Scanning	Horizontal Frequency	Internal Mode	NTSC : 15,734 Hz	
		Line-lock Mode	NTSC : 15,750 Hz	
	Vertical Frequency	Internal Mode	NTSC : 59.94 Hz	
		Line-lock Mode	NTSC : 60 Hz	
Min. Scene Illumination @ F1.2	Color	Sens Off	0.12 Lux(15 IRE)	
			0.2 Lux(30 IRE)	
		Sens Up x512	0.00023 Lux(15 IRE)	
			0.0005 Lux(30 IRE)	
	B/W	Sens Off	0.12 Lux(15 IRE)	
			0.2 Lux(30 IRE)	
		Sens Up x512	0.00023 Lux(15 IRE)	
			0.0005 Lux(30 IRE)	
Functions (OSD Menu)	Number of Privacy Zone		12 (Polygonal Method)	
	Day/Night		Color/BW/AUTO(Soft Method)	
	eXtended Dynamic Range(XDR)		Off/On (Level Setting)	
	D-Zoom		x1 ~ x16 (x0.1 STEP)	
	PIP		Off/On	
	High Speed Shutter		NTSC : 1/60 ~ 1/10Ksec	
	Flickerless		Off/On	
	Sens Up		x2 ~ x512	
	BLC		Off/On (Area Setting)	
	AGC		Off/On (Max.Level Setting)	
	White Balance		ATW1/ATW2/AWC/3200K/5600K	
	Digital Noise Reduction		Off/On (Adaptive 3D+2D)	
	Digital Image Stabilization		Off/On	
	Camera ID		Off/On (Max.54ea/2Line)	
	Etc. Function		Detail, Reverse(H/V), Posi/Nega	
	Resolution	Horizontal	600TV Lines	
		Vertical	350TV Lines	
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p		
S/N Ratio	S/N Ratio	> 52 dB		
Lens	Lens Drive Type		MANUAL/AI(VIDEO/DC)	
	Mount Type		CS/C	
Environmental Conditions	Operating Temperature		14°C ~ +122°F (-10°C ~ +50°C)	
	Humidity		0% ~ 90%	
Power	Power Requirement		AC24V, DC12V, PoE	
	Power Consumption		7 W	
	LED Indicator		Yes	
Physical Specification	Dimensions (WxHxD)	Net	2.83 x 2.36 x 5.46 in (72 x 60 x 138.6 mm)	
		Weight	Net 0.66 lb (300g)	
	Color	Body	Silver	

Network Unit

Network Board	OS		Embedded Linux
	Hardware	Flash memory	32M byte
		RAM	256M byte
		Ethernet	RJ-45 (10/100BASE-T)
		Video Out	VBS 1.0Vp-p
		Audio	N/A
		SD Memory Slot	N/A
		PoE	Yes (IEEE802.3af)
	Alarm	Input	2 ea
Output		2 ea	
Video	Compression		H.264 / MPEG4 / MJPEG Multiple Codec (H.264 / MPEG4 selectable), Simultaneous Dual Streaming
	Resolution	4CIF	NTSC : 704x480 PAL : 704x576
		VGA	640x480
		CIF	NTSC : 352x240 PAL : 352x288
	Frame Rate	NTSC : 30, 15, 8, 3, 1 fps / PAL : 25, 13, 6, 3, 1 fps	
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
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
	Streaming		Unicast, Multicast
	Security		HTTPS(SSL) Login Authentication, Digest Login Authentication
	DDNS		Supporting Samsung DDNS and Public DDNS services
	Connection	Maximum User Access	
User Access Level		Administrator	Live Monitoring, Alarm I/O control, OSD menu control, SETUP
		Operator	Live Monitoring, Alarm I/O control
Event Management		Alarm Input	JPEG Image transfer : FTP, Notification : notify to viewer or by E-mail (one image attachment), Alarm Out
		Motion Detection	JPEG Image transfer : FTP, E-mail
		Schedule	JPEG Image transfer : FTP, E-mail
Web Browser Viewer (Default)	Supported OS		Windows XP, VISTA
	Supported Browser		Internet Explorer 6.0 or Higher
	UI Language		E/F/G/S/I/C/K
	S/W upgrade		Using Web viewer UI
Video Player	RTP/RTSP streaming		Quicktime, VLC player
Video Management Software			autolP™
Application	IP Installation		IP Installer Application for All Samsung IP Cameras
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.