1/3" Vandal Resistant Fixed Dome
Network Camera

SAMSUNG
ELECTRONICS

FEATURES

- Vandal Resistant Fixed Dome
- MPEG4 & MJPEG compression modes (max. 25 fps)
- Video motion detection and pre/post-alarm buffer
- Easy Network Setup such as UPnP function, DDNS
- Day/Night feature with removable IR cut filter
- Varifocal Lens: f = 2.9 - 10 mm, auto iris
- Bidirectional Audio Support
- Power Input AC24V/DC12V and PoE

SUMMARY

The SCC-B5395 IP camera provide clear 540 TVL images by using Digital Signal Processing. Samsung uses only the Sony Super-HAD CCD, which specializes in the high frequency and horizontal correction signals. The camera detects the surrounding illumination environment in real time, and automatically switches the camera to the correct mode, into color in bright conditions, and into B/W mode in low light conditions, so that the camera's DSP can deliver the best image. In addition, it uses Auto Gain Control and Sens-up (Low Speed Shutter) functions together, providing a clear low-noise image.

The SCC-B5395 IP camera uses a polycarbonate dome cover, so that it is safe from external impact, is water resistant and dust proof. The digital noise reduction (DNR) function removes the video noise that occurs in video signals, particularly when Automatic Gain Control is used in low light conditions. The Digital Noise Reduction function of the SCC-B539x camera uses a special Samsung computer code to remove video noise and color noise, regardless of the motion of an object providing a clear image.

The SCC-B5395 IP camera lens rotates through its dome and also freely moves up to 355° horizontally and up to 90° vertically. It can be be easily installed in difficult areas such as a wall or an inclined surface where it can be difficult to install a surveillance camera. The camera uses horizontal and vertical mirroring functions to provide correct images regardless of the installation environment. The newly developed Integrated DSP system delivers the user an unparalleled high resolution image by providing superb camera performance.

Design and specifications are subject to change without notice   Status 09/2008

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SPECIFICATIONS

Image Sensor	1/3" CCD (Sony Super HAD)
Scanning System	PAL, 50Hz, 2:1 Inter Line Transfer
Pixels - total	795 x 596
Pixels - Effective	752 x 582
Resolution	540 (H) lines colour, 570 (H) lines b&w
S/N Ratio	50 dB
Sensitivity Colour	0.4 Lux(50IRE) 0.0005 Lux (15IRE,Sense x256)
Sentitivity B&W	0.04 Lux(50IRE) 0.00005 Lux (15IRE,Sense x256)
Pan Range	355° (Manual)
Tilt Range	0 ~ 90°
Day/Night	On/Off/Auto/Ext
Motion Detection	On/Off/Sensitivity
High Speed Shutter	1/50 ~ 1/10.000 sec, auto
Sens Up	Off ~ x256, auto
BLC	On/Off
AGC	On
Flickerless	On/Off
White Balance	ATW, AWC
Lens Focal Length	2.9 ~ 10 mm
Aperture Ratio	F 1.2 ~ 360
Lens Drive Type	DC auto iris
Video Outputs	1 CVBS, 1Vpp, BNC
Alarm Inputs	2
Alarm Outputs	2
Remote Control	RS 485, addressable, multiprotocoll
Operating System	Embedded Linux
Client OS	Win 2000 / XP / VISTA
Web Browser	MS Internet Explorer 5.0 (or higher)
Video Compression	MPEG4, MJPEG, Dual Encoding
Audio Compression	G.711, 64kbps at 8KHz sampling, bidirectional full duplex
Network Protocol	TCP, UDP, NTP, HTTP, DHCP, PPPoE
Network Streaming	TCP, UDP (Unicast, Multicast)
UPnP	Supporting Auto Network Configuration
DDNS	Supporting Samsung DDNS and Public DDNS servers
Video Resolution	D1 (720x576), VGA (640x480), CIF (352x288)
Frame Rate	25/ 12.5/ 6.25/ 3/ 1 fps

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Connection Users	MPEG4: Multicast max. 20 Users MJPEG: Unicast max. 10 Users
Alarm Event	Alarm Input, Motion Detection or Schedule: Image transfer FTP, E-mail
IP Installer	IP Address Installation Function (Win XP, VISTA & 2000 support)
Firmware Upgrade	Firmware upgrade by Web Browser
Login Access Level	Guest, Administrator, User
Dynamic IP Notify	SMTP(E-mail), FTP
Time Setting	Setting by NTP Server local or internet
Recording	MJPEG
HTTP API	Provides functionality to control cameras and set/retrieve internal parameter values.
Windows API	ActiveX components for viewing streams from video camera.
Input/Output sockets	Video Out(BNC), Power(2-Pin Term), RJ-45, SD Card Slot, Terminal 6Pin(Alarm In 2Pin, Alarm Out 2Pin, GND ,Day/night In)
Operating Temperature	-10°C ~ +50°C
LED Indicator	Yes
Supports	up to 16 GB capacity of SDHC memory
Supply Voltage	12 VDC / 24 VAC / PoE
Power Consumption	8 W
Weight	1.1 kg
Dimensions w*h*d	Ø 150 x 121 mm

Network load

1. SNC-B2315 & SNC-B5395 IP Camera

▶ **PAL (25fps)**

Image Resolution	Image Quality	MPEG4	MJPEG	
		Data Size (Mbps)	Data Size (Mbps)	Image size (KB)
D1 (720x576)	Very High	6.0	8.7	52
	High	4.0	7.2	41
	Normal	3.0	6.3	34
	Low	1.0	5.5	30
	Very Low	0.5	4.4	23
VGA (640x480)	Very High	6.0	6.5	39
	High	4.0	5.3	30
	Normal	3.0	4.6	25
	Low	1.0	4.1	22
	Very Low	0.5	3.3	17
CIF (352x288)	Very High	1.5	2.2	13
	High	1.0	1.8	10
	Normal	0.75	1.6	9
	Low	0.25	1.4	8
	Very Low	0.125	1.1	6

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2. SNC-B2315 & SNC-B5395 IP Camera

▶ **NTSC (30fps)**

Image Resolution	Image Quality	MPEG4	MJPEG	
		Data Size (Mbps)	Data Size (Mbps)	Image size (KB)
D1 (720x480)	Very High	6.0	9.0	47
	High	4.0	7.4	37
	Normal	3.0	6.0	30
	Low	1.0	5.4	27
	Very Low	0.5	4.4	21
VGA (640x480)	Very High	6.0	8.0	42
	High	4.0	6.6	33
	Normal	3.0	5.3	27
	Low	1.0	4.8	24
	Very Low	0.5	3.9	19
CIF (352x240)	Very High	1.5	2.3	12
	High	1.0	1.9	9
	Normal	0.75	1.5	8
	Low	0.25	1.4	7
	Very Low	0.125	1.1	5

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