

# SNC-B5399

H.264 WDR, Anti-vandal, Vari-focal Network Dome Camera with Heater & Blower



## Summary

The SNC-B5399 is an IP-enabled vandal and weather resistant network camera equipped with 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-B5399 has a true day/night feature implemented with an IR Cut Filter to enable 24 hour surveillance in low light conditions. WDR preserves the image detail from both bright and dark portions of the scene, while XDR allows the surveillance of darker and strong backlit areas. A DNR function places the camera ahead of the competition by reaching over 52dB S/N ratio. With the built-in heater and fan, the SNC-B5399 is capable of working in extreme weather conditions. Power over Ethernet (PoE) reduces the installation time and costs. The camera is compatible with the autoIP™ Simple Open Software.

## Features

- 1/3" 410K/470K Super-HAD PS CCD
- H.264, MPEG-4 & MJPEG Simultaneous Dual Encoding
- f: 2.8 ~ 11mm Auto Iris Lens
- True Day/Night with IR Cut Filter
- Wide Dynamic Range (WDR)
- Motion Adaptive Digital Noise Reduction
- Back Light Compensation (Area Setting)
- DIS (Digital Image Stabilization)
- Embedded Object Detection using Video Analytics
- Privacy Mask Function (Polygonal Mosaic)
- Horizontal & Vertical Image Mirroring
- Positive/Negative Imaging
- IPv4/IPv6 support
- SD Memory Slot for Internal Recording
- Bi-directional Audio
- Analog Output (600TVL)
- AC24V, DC12V, PoE
- IP66, Weather and Vandal Proof

## Wide Dynamic Range (WDR)

WDR preserves the image detail from both bright and dark portions of the scene by using a dual shutter algorithm and contrast enhancer.



## True Day/Night Function

The Day/Night function automatically utilizes an IR Cut Filter to switch to black and white mode during the night making it ideally suitable for 24/7 surveillance.



Day



Night

SNC-B5399



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## Specifications

### Camera Unit

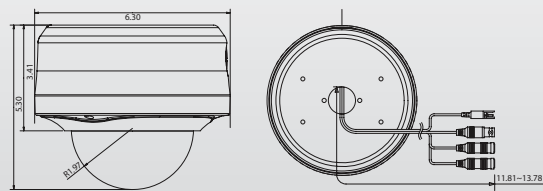
Camera Type	Color/BW	Color	
Image	Device	Super-HAD PS CCD	
	Size	1/3"	
	Scan	Progressive Scan (When WDR ON, Interlaced Scan)	
Scanning	Pixels	Total	811x508
		Effective	768x494
	Horiz. Freq.	Internal Mode	15,734Hz
	Line-lock Mode	15,750Hz	
Min. Scene Illumination @ F1.2	Color	Sens Off	0.12 Lux(15IRE), 0.2 Lux(30 IRE), 0.4 Lux(50IRE)
		Sens Up 512x	0.00023 Lux(15IRE), 0.0005 Lux(30IRE), 0.0008 Lux(50IRE)
		Sens Up 512x	0.012 Lux(15IRE), 0.02 Lux(30IRE), 0.04Lux(50IRE)
Functions	B/W	Sens Off	0.012 Lux(15IRE), 0.02 Lux(30IRE), 0.04Lux(50IRE)
		Sens Up 512x	0.00023Lux(15IRE), 0.0005Lux(30IRE), 0.0008Lux(50IRE)
		Number of Privacy Zones	12 (Polygonal Method)
Resolution	Day/Night	Color / BW / AUTO / EXT (IR Cut Filter)	
	eXtended Dynamic Range(XDR)	Off/On (Level Setting)	
	Wide Dynamic Range	Off/On (128x)	
	D-Zoom	1x ~ 16x (0.1x STEP)	
	PIP	Off/On	
	High Speed Shutter	1/60 ~ 1/10K sec	
	Flickerless	Off/On	
	Sens-Up	2x ~ 512x	
	BLC	Off/On (Area Setting)	
	AGC	Off/On (Max.Level Setting)	
	White Balance	ATW1 / ATW2 / AWC / MANUAL	
	Digital Noise Reduction(DNR)	Off/On (Adaptive 3D+2D)	
	Digital Image Stabilizer(DIS)	Off/On	
	Camera ID	Off/On (Max.54ea/2Line)	
	Etc. Function	Detail, Reverse(H/V), Posi/Nega	
	Horizontal	600TV Lines	
		Vertical	350TV Lines
	Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
		S/N Ratio	52dB
	Lens	Focal Length	2.8 ~ 11mm
Zoom Ratio		3.9x	
Aperature Ratio		F1.2	
Viewing Angle		Tele	28.8°(H) x 21.6°(V)
		Wide	94.6°(H) x 68.4°(V)
Lens Drive Type		AI(DC)	
Mount Type		Board Type	
Environmental Conditions	Operating Temperature	-40°F ~ 122°F (Fan/Heater Built-in)	
	Operating Humidity	Waterproof	
Power	Power Requirement	AC24V, DC12V, PoE	
	Power Consumption	Heater off (8W), Heater on (11W)	
Physical Specification	Dimensions (WxHxD)	Net	5.30(H) x 6.30(Ø) in
		Package	7.01 x 6.61 x 7.01 in
	Weight	Net	2.82lbs
		Package	3.35lbs
	Color	Body	White
	Case		Aluminum (IP66)

### 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	Line In / Line Out
		SD memory Slot	Yes (SD/SDHC)
		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	704x480
		VGA	640x480
		CIF	352x240
	Frame Rate	30, 15, 8, 3, 1 fps	
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)	
Motion Detection	Sensitivity and Area Setting	High, Medium, Low	
Intelligent Video Analytics	Video Analytics	Scene Change, Virtual Line, Enter / Exit, Appear / Disappear	
Protocol	IP		
	Network Protocol	IPv4	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS
		IPv6	TCP/IP, HTTP, HTTPS, SSL, DHCP
Streaming	Unicast, Multicast		
Security	Security		
	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
		User	Live Monitoring
Event Management	Alarm Input		
	Intelligent Video Detection		
	Motion Detection		
	Schedule		
Web Browser Viewer (Default)	Supported OS		
	Supported Browser		
	UI Language		
	S/W Upgrade		
	Video Player		
Video Management Software			
Application	IP Installation		
	CGI Command		
	RTP/RTSP API		
	ActiveX		
SDK	IP Installer Application for All Samsung IP Devices		
	Provides functionality to control cameras and set/retrieve internal parameter values. Get JPEG image or MJPEG stream, Alarm In/Out control		
RTP Header, RTSP Command Document			
ActiveX API for viewing data streams from Network camera			

## Dimensions (unit : in)



## Certifications



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