

# 30x/37x Network PTZ Dome Camera

## SNP-3301/3370

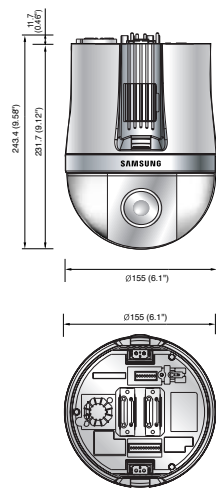


### Specifications

		SNP-3301	SNP-3370
		CAMERA	
Image	Device	Vertical Double Density Interline CCD	
	Size	1/4"	
	Scan	Interlaced Scan	
Pixels	Total	NTSC : 811 x 508 / PAL : 795 x 596	
	Effective	NTSC : 768 x 494 / PAL : 752 x 582	
Scanning	Horizontal Frequency (INT.)	NTSC : 15,734Hz / PAL : 15,625Hz	
	Vertical Frequency (INT.)	NTSC : 59.94Hz / PAL : 50Hz	
Min. Scene Illumination	Color	0.7Lux (50 IRE@F1.6, Sens-up off)	
	B/W	0.03Lux (50 IRE@F1.6, Sens-up off)	
Functions	Number of Privacy Zone	8ea (Rectangular method)	
	Day & Night	Auto (ICR) / Color / B/W	
	Wide Dynamic Range	NTSC : On / Off (128x) / PAL : On / Off (160x)	
	Digital Zoom	On / Off (1x ~ 12x)	
	Electronic Shutter Speed	NTSC : 1/60 ~ 1/10Ksec / PAL : 1/50 ~ 1/10Ksec	
	Sens-up (Frame Integration)	On / Off (Selectable limit ~ 256x)	
	Backlight Compensation	WDR / BLC / HLC / Off	
	AGC	Low / Medium / High / Off	
	White Balance	ATW / AWC / Manual / Indoor / Outdoor	
	3D Noise Filter (SSNR II)	Low / Medium / High / Off	
Resolution	Digital Image Stabilization	On / Off	
	Horizontal / Vertical	550TV lines / 350TV lines	
Video Output	S/N Ratio	VBS 1.0Vp-p	
	Focal Length	3.5 ~ 105mm	3.5 ~ 129.5mm
Lens	Zoom Ratio	30x optical	37x optical
	Zoom Movement Speed	2.2x/sec	2.5x/sec
	Aperture Ratio	F1.6(Wide) ~ F3.9(Tele)	
	Min. Object Distance	1.8m (5.91ft)	
	Angular Field of View	H : 55.5°(Wide) ~ 1.59°(Tele) / V : 42.5°(Wide) ~ 1.19°(Tele)	
	Lens Drive Type	Auto Iris (DC)	
	Mount Type	Board-in type	
Pan / Tilt	Speed	Manual Pan / Tilt : 0.024 ~ 120°/sec Preset Pan / Tilt : 500°/sec	
	Range	0 ~ 360° (Endless) / 190° (-5° ~ 185°)	
	Number of Preset	255ea	
	Preset Accuracy	±0.1°	
	PTZ Mode	Preset, Swing, Group, Tour, Trace	
Remote Control	Communication Interface	RS-485/422, Coaxial control	
	Operating Temperature	-10°C ~ +50°C (+14°F ~ +122°F)	
	Operating Humidity	20% ~ 80% RH	
Power	Power Requirement	NTSC : 24V AC, 60Hz / PAL : 24V AC, 50Hz	
	Power Consumption	Max. 16W	
Physical Specification	Dimensions (WxH)	Ø155 x 243.4mm (Ø6.1" x 9.58")	
	Weight	2Kg (4.41 lb)	
		NETWORK	
Network Board	OS	Embedded Linux	
	Flash memory	128M byte	
	RAM	256M byte	
	Ethernet	RJ-45 (10/100 Base-T)	
	Video Out	VBS 1.0Vp-p	
Alarm	Audio	Line in / Line out	
	SD Memory Slot	Yes (SD / SDHC)	
Video	Input / Output	4ea / 2ea	
	Compression	H.264 / MPEG4 / MJPEG multiple codec	
	Resolution	NTSC : 704 x 480 / PAL : 704 x 576	
	4CIF	NTSC : 352 x 240 / PAL : 352 x 288	
	QCIF	NTSC : 176 x 120 / PAL : 176 x 144	
Audio	Max. Frame Rate	NTSC : 30fps at all resolutions / PAL : 25fps at all resolutions	
	H.264 / MPEG4 Quality	5 levels (Verylow, low, medium, high, very high)	
	MJPEG Quality	5 levels (Verylow, low, medium, high, very high)	
	Bitrate Control	CBR	
	Streaming	H.264 + MJPEG or MPEG-4 + MJPEG dual streaming	
Motion Detection	Compression	ADPCM (8KHz)	
	Bi-Directional Communication	Yes	
Protocol	Intelligent Motion Detection	Motion Detection, Appear/Disappear	
	IP	IPv4	
	Network Protocol	TCP/IP, UDP/IP, RTP (UDP), RTP (TCP), RTSP, NTP	
	Streaming	HTTP, DHCP, FTP, SMTP, ICMP, IGMP, ARP, DNS, DDNS	
	Security	Unicast, Multicast	
Connection	DDNS	Password protection, IP address filtering, User access log	
	Maximum User	Supporting samsung DDNS and public DDNS services	
	User Access Level	Max. 10 users	
	Administrator	Full control privilege	
	Guest	Live monitoring only	
Event Management	Additional User	Configurable privilege individually	
	Alarm Input	Pre/Post alarm image buffering, Image recording : SD memory	
	Motion Detection	Event notification, Alarm out activation, Autorun	
	Schedule	JPEG Image transfer : FTP, Image recording : SD memory, PTZ function	
	Supported OS	Windows XP, VISTA 7	
Web Browser Viewer (Default)	Supported Browser	Internet Explorer 6.0 or higher	
	PTZ Control	Yes	
Video Player	S/W Upgrade	Using web viewer UI	
	RTSP / RTP Streaming	Quicktime, VLC player	
Application	Video Management Software	Samsung CMS S/W, 3rd party S/W application	
	IP Installation	IP installer application for all Samsung IP devices	

### Dimensions

Unit : mm (inch)



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I.H-1006



# 37x 30x

## Network Monitoring

### See Closer, Faster, Easier



# SNP-3301/3370

## 30x/37x Network PTZ Dome Camera

- H.264, MPEG-4, MJPEG multiple encoding
- Powerful 30x/37x optical zoom
- Real-time 30(25)fps at 4CIF
- Intelligent video analysis (Appear/Disappear)



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# Optical Zoom 30x/37x

## Network Camera with Superb Zoom Power



The SNP-3301/3370 provides a staggering 360x/444x zoom with its 30x/37x optical zoom and 12x digital zoom. Capable of zooming on distant objects, this network camera is ideal for detailed monitoring both indoors and outdoors, especially where objects are spread across a broad area.

# 37x



## Network PTZ Dome Camera SNP-3301/3370



## H.264 / MPEG-4 / MJPEG Multiple Encoding



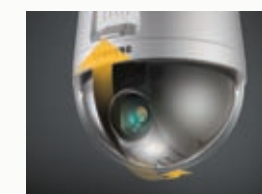
The SNP-3301/3370 is equipped with highly-efficient H.264 video compression that supports MPEG-4 and MJPEG, allowing flexible choices depending on your work habits and network environment. H.264 minimizes video file sizes and network loads during file transfers, making it the perfect video monitoring solution for even the lowest network bandwidth and smallest storage size.



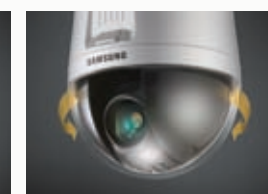
## Panning speed of 500°/sec and Wide Range of Panning/Tilting



The SNP-3301/3370's pan and tilt operations are blisteringly fast at up to 500° per second, which helps the camera capture objects quickly and accurately. The maximum monitoring range is up to 360° of the pan and 190° of the tilt range.



190° Tilting Range

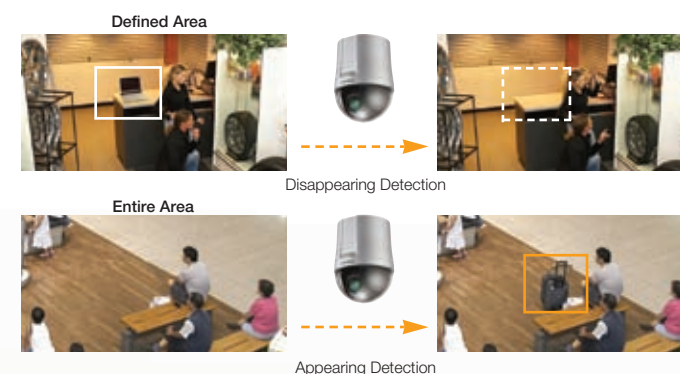


360° Panning Range

## Intelligent Video Analytics



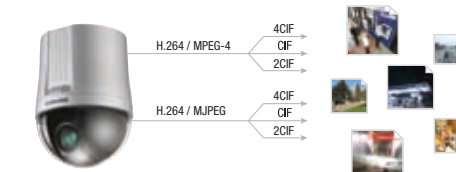
As for monitoring aspects, the camera can detect the appearance and disappearance of objects in an area, and then save and transfer the object images to the CMS server.



## Multi Streaming



Multi streaming support in the SNP-3301/3370 lets it transfer a maximum of 6 different types of real-time videos per resolution or per codec at 30fps (NTSC) to give the user a variety of video transfer options for optimum performance.



## SD Memory Card



The SNP-3301/3370 provides an SD memory card slot that can be used to save and backup event video data.

## Various Exclusive Accessories

The SNP-3301/3370 provides a wide selection of accessories that facilitate installations anywhere, such as ceilings, walls, poles and parapets.



Outdoor Housing	Indoor Housing	In-Ceiling Housing	Ceiling Mount	Wall Mount	Pendant Mount
STH-360NPO	STH-370NPI	STH-370NPE	STB-370NPC	STB-270PW	STB-496PPV
Flange	Ceiling Flange	Wall Setup Box	Pole Mount	Corner Mount	Parapet Mount
STB-25PF	STB-30PF	STB-270B	STB-330PPM	STB-340PCM	STB-350PPM