

# Detail monitoring with 30x Zoom



## 4CIF 30x Network PTZ Dome Camera

# SNP-3302H/3302

The SNP-3302H/3302 network PTZ cameras feature a 30x optical zoom that is ideal for detailed object monitoring. With H.264, MPEG-4, MJPEG multiple codec these cameras provide flexibility to suite one's network environment. Especially, the SNP-3302H includes an integrated housing that is fully weatherproof to IP66, making installation simple, and support a wide operating temperature range -50° to +50°. In addition, they support multi-streaming technology able to transfer real-time high resolution images 30(25)fps at 4CIF resolution.

- Max. 30(25)fps at 4CIF resolution
- 3.5 ~ 105.3mm (30x) optical zoom, 16x digital zoom
- H.264, MPEG-4, MJPEG multiple codec
- SD memory, IP66, 2-way audio communication support

# 4CIF 30x Network PTZ Dome Camera

# SNP-3302H/3302

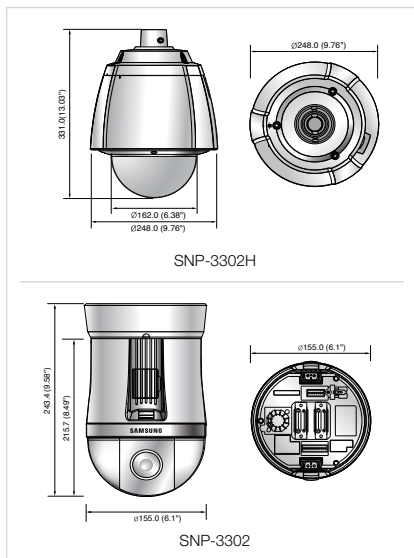


## Specifications

	SNP-3302HN/3302N	SNP-3302HP/3302P
<b>VIDEO</b>		
Imaging Device	1/4" Vertical Double Density Interline Transfer CCD	
Total Pixels	811(H) x 508(V)	795(H) x 596(V)
Effective Pixels	768(H) x 494(V)	752(H) x 582(V)
Scanning System	Progressive(VPS ON) (If WDR on, Interlaced Scan)	
Min. Illumination	0.7 Lux/F1.6(50IRE) : Color / 0.07 Lux/F1.6(50IRE) : BW	
S / N Ratio	52dB	
Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 704x480(N), 704x576(P), for installation	
<b>LENS</b>		
Focal Length (Zoom Ratio)	3.5~105.3mm (30X)	
Max. Aperture Ratio	F1.6(Wide) / F3.9(Tele)	
Angular Field of View	H : 55.5(Wide) ~ 1.92(Tele) / V : 42.5(Wide) ~ 1.43(Tele)	
Min. Object Distance	1.5m	
Focus Control	AF / One-Shot AF / Manual	
Lens Type	DC Auto Iris	
Mount Type	Board-in type	
<b>PAN / TILT / ROTATE</b>		
Pan Range	360° Endless	
Pan Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Tilt Range	190° (-5° ~ 185°)	
Tilt Speed	Preset : 500°/sec, Manual : 0.024°/sec ~ 120°/sec	
Preset	255ea	
Preset Accuracy	±0.1°	
<b>OPERATIONAL</b>		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / WDR / HLC	
Wide Dynamic Range	128X (52dB)	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNR III (2D+3D Noise Filter) (Off / On)	
Digital Image Stabilization	Off / On	
Motion Detection	Yes	
Privacy Masking	Off / On (8 Polygonal programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 512x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	AWC, Manual, Indoor, Outdoor, ATW (1,700°K ~ 11,000°K)	
Electronic Shutter Speed	ESC / FLK / Manual (1/60 ~ 1/120,000)	
Digital Zoom	16x	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Virtual Line, Enter / Exit, Appear / Disappear	
Alarm I/O	Input 4ea / Output 2ea	
Remote Control Interface	RS-485/422	
RS-485 Protocol	Samsung-T, Samsung-E, Pelco-D, Pelco-P, Panasonic, Honeywell, AD, Vicon	
<b>NETWORK</b>		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264, MPEG4, MJPEG	
Resolution	704 x 480, 640 x 480, 352 x 240, 320 x 240	704 x 576, 640 x 480, 352 x 288, 320 x 240
Max. Framerate	30fps	
Video Quality Adjustment	H.264/MPEG4 : Compression Level, Target Bitrate Level Control MJPEG : Quality Level Control	
Bitrate Control Method	H.264/MPEG4 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 10 profiles)	
Audio I/O	Line in / Line out	
Audio Compression Format	G.711 u-law	
Audio Communication	2-Way	
IP	IPv4, IPv6	
Protocol	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, ONVIF	
Security	HTTPS(SSL) Login Authentication, Digest Login Authentication, IP Address Filtering, User access Log, 802.1x Authentication	
Streaming Method	Unicast / Multicast	
Max. User Access	10 users at unicast mode	
Memory Slot	SD/SDHC memory slot	
ONVIF Conformance	Yes (v:1.02)	
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek	
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS, Supported Browser : Internet Explorer 7.0 or 8.0, Firefox, Google Chrome, Apple Safari	
Central Management Software	NET-i viewer	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	SNP-3302 : -10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH, SNP-3302H : -50°C ~ +50°C (-58°F ~ +122°F) / 20% ~ 80% RH	
Ingress Protection	IP66 (SNP-3302H only)	
<b>ELECTRICAL</b>		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at)	
Power Consumption	SNP-3302 : Max. 21W, SNP-3302H : Max. 25W (Heater Off), Max. 60W (Heater On), * Heater works only at AC power input.	
<b>MECHANICAL</b>		
Color / Material	SNP-3302 : Ivory / Plastic, SNP-3302H : Ivory / Aluminum (Vandal Resistance) / Plastic Sun-Shield	
Dimensions (WxH)	SNP-3302 : Ø243.4 x 155.0mm (Ø9.58" x 6.1"), SNP-3302H : Ø248.0 x 331.0mm(9.76" x 13.03")	
Weight	SNP-3302 : 2.2kg(4.85 lb), SNP-3302H : 4.6kg(10.14 lb)	

## Dimensions

Unit : mm (inch)



The Eco mark represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

Design and specifications are subject to change without notice.



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