

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 $+50^{\circ}$. 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

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SNP-3302

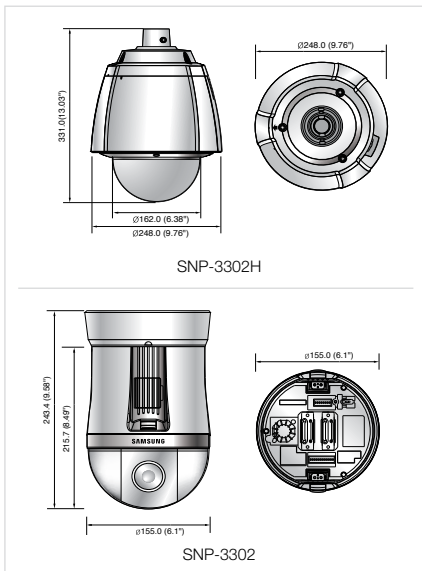
Specifications



	SNP-3302HN/3302N	SNP-3302HP/3302P
VIDEO		
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	
LENS		
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	
PAN / TILT / ROTATE		
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°	
OPERATIONAL		
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)	128X
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (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)	ESC / FLK / Manual (1/50 ~ 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	
NETWORK		
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	25fps
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	
ENVIRONMENTAL		
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)	
ELECTRICAL		
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.	
MECHANICAL		
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 Technwin'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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