

SNP-5321H/5321

1.3Megapixel HD 32x Network PTZ Dome Camera



SNP-5321H



SNP-5321

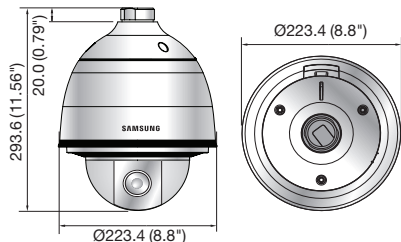
Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 4.44 ~ 142.6mm (32x) optical zoom, 16x digital zoom
- 0.05Lux@F1.6 (Color), 0.005Lux@F1.6 (B/W)
- H.264, MJPEG dual codec, Multiple streaming
- Day & Night (ICR), WDR (120dB), Intelligent video analytics
- PoE+, SD/SDHC/SDXC memory slot, Bi-directional audio support
- IP66 / IK10 (SNP-5321H), IK10 (SNP-5321 + SHP-3701H only)

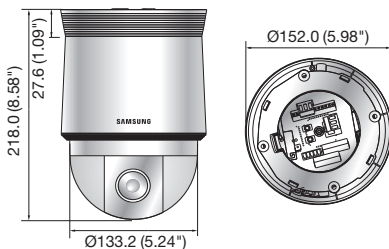
Dimensions

Unit : mm (inch)

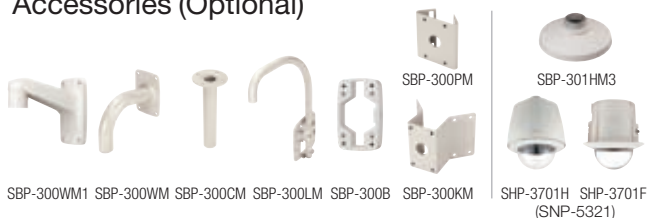
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Accessories (Optional)



* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

| | SNP-5321HN/HP | SNP-5321N/P |
|-----------------------------------|--|-------------|
| VIDEO | | |
| Imaging Device | 1/3" 1.3M CMOS | |
| Total / Effective Pixels | 1,312(H) x 1,069(V), 1.40M pixels / 1,305(H) x 1,049(V), 1.37M pixels | |
| Scanning System | Progressive | |
| Min. Illumination | Color : 0.1Lux (1/30sec, F1.6, 50IRE, AGC high), 0.005Lux (2sec, F1.6, 50IRE, AGC high) B/W : 0.01Lux (1/30sec, F1.6, 50IRE, AGC high), 0.0005Lux (2sec, F1.6, 50IRE, AGC high) Color : 0.05Lux (1/30sec, F1.6, 30IRE), 0.0025Lux (2sec, F1.6, 30IRE) B/W : 0.005Lux (1/30sec, F1.6, 30IRE), 0.00025Lux (2sec, F1.6, 30IRE) | |
| S / N Ratio | 50dB | |
| Video Output | CVBS : 1.0Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation | |
| LENS | | |
| Focal Length (Zoom Ratio) | 4.44 ~ 142.6mm (Optical 32x) | |
| Max. Aperture Ratio | F1.6(Wide) / F4.4(Tele) | |
| Angular Field of View | H : 56.8°(Wide) ~ 1.99°(Tele) / V : 46.3°(Wide) ~ 1.6°(Tele) | |
| Min. Object Distance | Wide : 1.5m (4.92ft), Tele : 1.9m (6.23ft) Wide : 1.5m (4.92ft), Tele : 2m (6.56ft) | |
| Focus Control | Auto / Manual / One push | |
| Lens / Mount Type | DC auto iris / Board-in type | |
| PAN / TILT / ROTATE | | |
| Pan / Tilt Range | 360° Endless / 210° (-15° ~ 195°) | |
| Pan / Tilt Speed | Preset : 700°/sec, Manual : 0.024°/sec ~ 120°/sec | |
| Sequence | Preset (255ea), Swing, Group (6ea), Trace, Tour (1ea), Auto run, Schedule | |
| Preset Accuracy | ±0.2° | |
| Azimuth | Yes (E / W / S / N / NE / NW / SE / SW) | |
| OPERATIONAL | | |
| Camera Title | Off / On (Displayed up to 45 characters) | |
| Day & Night | Auto (ICR) / Color / B/W | |
| Backlight Compensation | Off / BLC / WDR | |
| Wide Dynamic Range | 120dB | |
| Contrast Enhancement | SSDR (Samsung Super Dynamic Range) (Off / On) | |
| Digital Noise Reduction | SSNRILL (2D+3D noise filter) (Off / On) | |
| Digital Image Stabilization | Off / On | |
| Defog | Off / Auto / Manual | |
| Motion Detection | Off / On (4ea rectangle zone) | |
| Privacy Masking | Off / On (32 zones of rectangle zone) with zoom threshold mosaic option | |
| Gain Control | Off / Low / Middle / High | |
| White Balance | ATW / AWC / Manual / Indoor / Outdoor / Mercury | |
| Electronic Shutter Speed | Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec) | |
| Digital Zoom | 16x | |
| Flip / Mirror | Off / On | |
| Intelligent Video Analytics | Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection | |
| Alarm I/O | Input 4ea / Output 2ea (Relay) | |
| Remote Control Interface | RS-485 | |
| RS-485 Protocol | Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, Bosch, GE | |
| Alarm Triggers | Motion detection, Tampering, Audio detection, Face detection, Video analytics, Alarm input, Network disconnection | |
| Alarm Events | File upload via FTP and E-mail, Notification via E-mail, TCP and HTTP, Local storage (SD/SDHC/SDXC) or NAS recording at Alarm triggers, External output | |
| NETWORK | | |
| Ethernet | RJ-45 (10/100BASE-T) | |
| Video Compression Format | H.264 (MPEG-4 part 10 / AVC), MJPEG | |
| Resolution | 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 720 x 576, 640 x 480, 640 x 360, 320 x 240, 320 x 180 | |
| Max. Framerate | H.264 : Max. 60fps at all resolutions MJPEG : 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 720 x 576, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max. 30fps | |
| Smart Codec | Manual mode (Area-based : 5ea), Face detection mode | |
| Video Quality Adjustment | H.264 : Compression level, Target bitrate level control, MJPEG : Quality level control | |
| Bitrate Control Method | H.264 : CBR or VBR, MJPEG : VBR | |
| Streaming Capability | Multiple streaming (Up to 10 profiles) | |
| Audio In | Selectable (Mic in / Line in), Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm | |
| Audio Out | Line out (3.5mm mono jack), Max output level : 1Vrms | |
| Audio Compression Format | G.711 u-law/G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz, G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps | |
| Audio Communication | Bi-directional audio | |
| IP | IPv4, IPv6 | |
| Protocol | TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTCP, RTSP, NTP, HTTP, HTTPS, SSL, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour | |
| 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 | |
| Edge Storage | SD/SDHC/SDXC slot for supporting memory card Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded NAS (Network Attached Storage) | |
| Application Programming Interface | ONVIF profile S, SUNAPI (HTTP API), SVNP 1.2, Samsung Techwin Open Platform | |
| Webpage Language | English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatian, Hungarian, Greek, Finnish, Norwegian | |
| Web Viewer | Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 8 ~ 11), Mozilla Firefox (Ver. 9 ~ 19), Google Chrome (Ver. 15 ~ 32), Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only | |
| Central Management Software | SmartViewer, SSM | |
| ENVIRONMENTAL | | |
| Operating Temperature / Humidity | 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH PoE+ : -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH | |
| Storage Temperature / Humidity | -30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH | |
| Ingress Protection | IP66 | |
| Vandal Resistance | IK10 | |
| ELECTRICAL | | |
| Input Voltage / Current | 24V AC ±10%, PoE+ (IEEE802.3at, Class4) 24V AC : Max. 65W (24V AC heater on & PoE heater on) PoE+ : Max. 25W (24V AC heater off / PoE heater on) | |
| Power Consumption | Max. 20W | |
| MECHANICAL | | |
| Color / Material | Ivory / Plastic + Metal | |
| Dimensions (WxH) | Ø223.4 x 293.6mm (Ø8.8" x 11.56") Ø152.0 x 218.0mm (Ø5.98" x 8.58") | |
| Weight | 3.2Kg (7.05 lb) 1.8Kg (3.97 lb) | |

* The latest product information / specification can be found at www.samsungsecurity.com