

# The World's First!

## 2MP 32x PTZ

# SNP-6320/6320H

## 2MP Full HD 32x Network PTZ Camera

- Max. 2M (1920 x 1080) resolution
- Built-in 32x optical zoom lens (4.44 ~ 142.6mm) optical zoom, 16x digital zoom
- Color : 0.3Lux (1/30sec, F1.6, 50IRE)  
B/W : 0.03Lux (1/30sec, F1.6, 50IRE)
- H.264, MJPEG dual codec, Multiple streaming
- Day & Night (ICR), WDR (120dB)
- Auto tracking, Intelligent video analytics
- PoE+, SD memory card, Bi-directional audio support
- IP66, IK10 (SNP-6320 + SHP-3701H only)



# SNP-6320/6320H

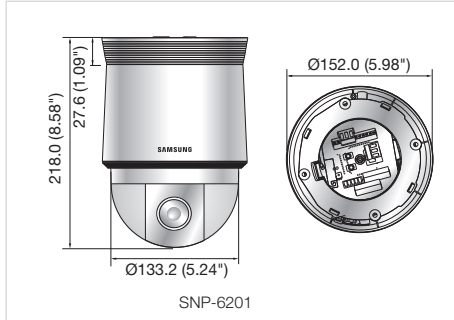


SNP-6320

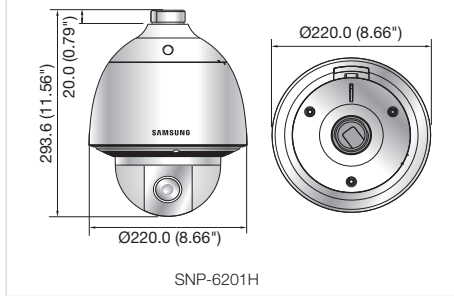
SNP-6320H

## Dimensions

Unit : mm (inch)



SNP-6201



SNP-6201H

## Accessories (Optional)



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

	SNP-6320N/P	SNP-6320HN/HP
<b>VIDEO</b>		
Imaging Device	1/2.8" 2M PS CMOS	
Total Pixels / Effective Pixels	1,952(H) x 1,236(V), 2.41M pixels / 1,944(H) x 1,224(V), 2.38M pixels	
Scanning System	Progressive	
Min. Illumination	Color : 0.3Lux (1/30sec, F1.6, 50IRE), B/W : 0.03Lux (1/30sec, F1.6, 50IRE)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
<b>LENS</b>		
Focal Length (Zoom Ratio)	4.44 ~ 142.6mm (32x)	
Max. Aperture Ratio	F1.6(Wide) / F4.4(Tele)	
Angular Field of View	H : 62.8°(Wide) ~ 2.23°(Tele) / V : 36.8°(Wide) ~ 1.26°(Tele)	
Min. Object Distance	Wide : 10m (32.81ft), Tele : 1.5m (4.92ft)	
Focus Control	Auto / Manual / One push	
Lens / Mount Type	DC auto iris / Board-in type	
<b>PAN / TILT / ROTATE</b>		
Pan / Tilt Range	360° Endless / 210° (-15° ~ 195°)	
Pan / Tilt Speed	Preset : 700°/sec, Manual : 0.024°/sec ~ 120°/sec	
Preset / Preset Accuracy	255ea / ±0.2°	
Auto Tracking	Off / On, Schedule mode, Auto tracking mask mode	
<b>OPERATIONAL</b>		
Camera Title	Off / On (Displayed up to 45 characters)	
Day & Night	Auto (ICR) / Color / B/W / External / Schedule	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	120dB	
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	
Defog	Off / Auto / Manual	
Motion Detection	Off / On (4ea rectangle zone)	
Privacy Masking	Off / On (32 zones of rectangle zone)	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / AWC / Manual / Indoor / Outdoor	
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, Appear / Disappear, 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, Sungjin, 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) recording at network disconnected & event (Alarm triggers), External output	
<b>NETWORK</b>		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264 (MPEG-4 part 10 / AVC), MJPEG	
Resolution	1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180	
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1920 x 1080, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 : Max. 30fps	
Smart Codec	Yes	
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), Max output level : 1 Vrms Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm	
Audio out	Line out (3.5mm stereo mini jack)	
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), 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	15 users at unicast mode	
Memory Slot	SD/SDHC/SDXC memory slot - Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded.	
Application Programming Interface	ONVIF profile S & G, SUNAPI 2.0, SVP 1.2	
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 or higher, MAC OS X 10.7 or higher Supported Browser : Microsoft Internet Explorer (Ver. 8 ~ 11) or higher, Mozilla Firefox (Ver. 9 ~ 19) or higher, Google Chrome (Ver. 15 ~ 25) or higher, Apple Safari (Ver. 6.0.2 (Mac OS X 10.8, 10.7 Only), 5.1.7) or higher * Mac OS X only	
Central Management Software	Smart Viewer, SSM (Samsung Security Manager)	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH	PoE+ : -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH (Heater on) 24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH (Heater on)
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
Ingress Protection	N/A	IP66 grade
Vandal Resistance	IK9 (SNP-6320 only, SHP-3701H : IK10 accessory housing)	
<b>ELECTRICAL</b>		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at class3)	
Power Consumption	Max. 22W	Max. 26W (Heater off), Max. 60W (Heater on, 24V AC)
<b>MECHANICAL</b>		
Color / Material	Ivory / Plastic	Ivory / Aluminum, Plastic sun-shield
Dimensions (WxH)	Ø152.0 x 218.0mm (Ø5.98" x 8.58")	Ø220.0 x 293.6mm (Ø8.66" x 11.56")
Weight	1.9Kg (4.19 lb)	3.4Kg (7.5 lb)

Design and specifications are subject to change without notice.

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### SAMSUNG TECHWIN CO., LTD.

6, Pangyo-ro 319beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, SEOUL 463-400 Rep. of KOREA  
Tel : +82-70-7147-8741 ~ 8749, 8752 ~ 8760 Fax : +82-31-8018-3745 www.samsungsecurity.com www.samsungcctv.com  
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SAMSUNG TECHWIN AMERICA INC.  
100 Challenger Rd, Suite 700 Ridgeland Park, NJ 07660  
Toll Free : +1-877-213-1222 Direct : +1-201-325-6920  
Fax : +1-201-373-0124

SAMSUNG TECHWIN EUROPE LTD.  
2nd Floor, No. 5 The Heights, Brooklands, Weybridge, Surrey, KT13 0NY, UK  
Tel : +44-1932-82-6700 Fax : +44-1932-82-6701

SHANGHAI SAMSUNG TECHWIN CO., LTD.  
32F, Bk B, International Business Center, No. 391 Guiping Rd., Shanghai, China, 200233  
Tel : +86-21-5427-1155 Fax : +86-21-5423-5122



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