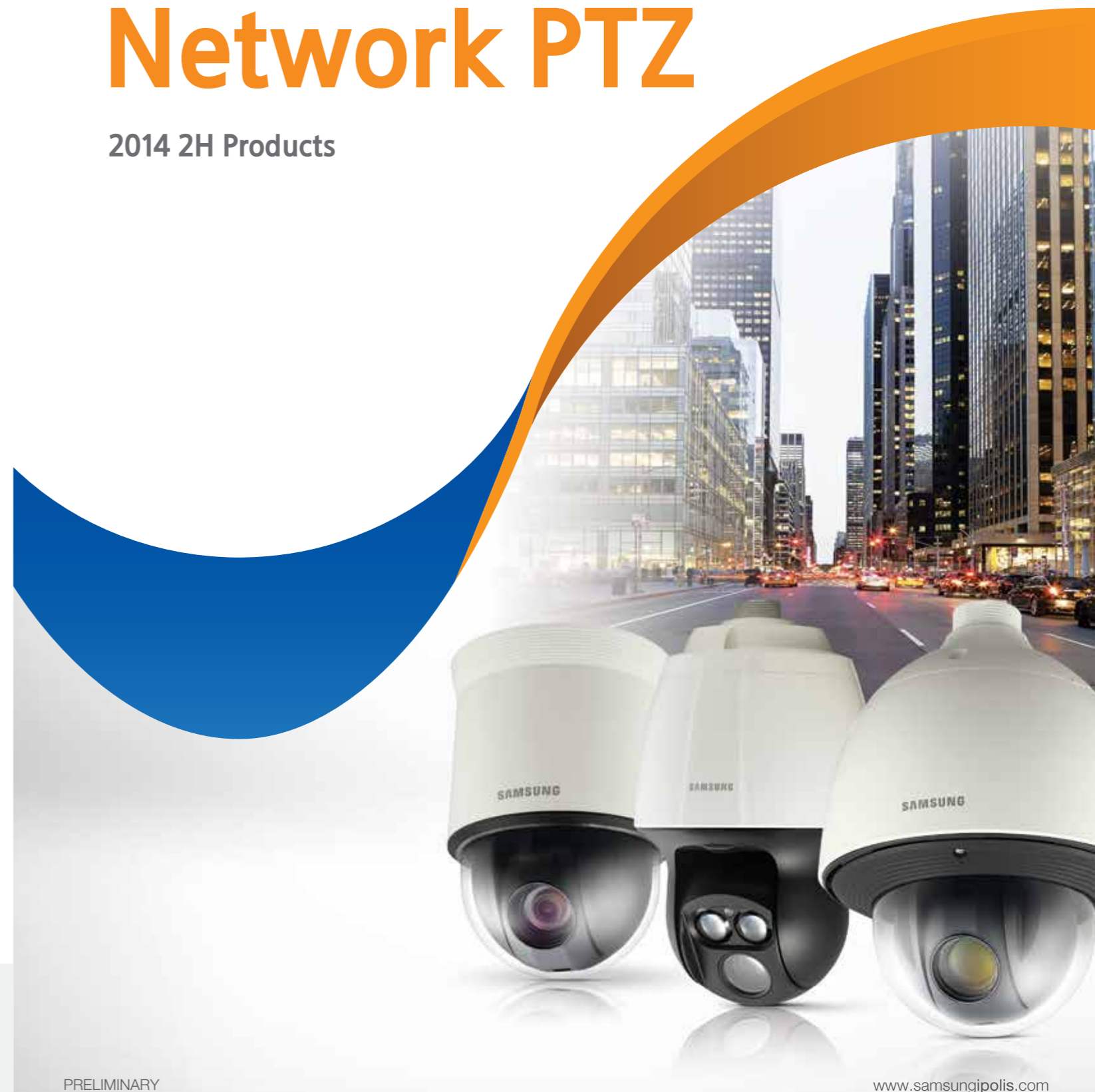


# Network PTZ

2014 2H Products

Network PTZ



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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**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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PRELIMINARY

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# Product Comparison Chart

	WiseNet III Plus		WiseNet III		IR PTZ	
	SNP-5430H	SNP-6320H	SNP-5321H	SNP-6321H	SNP-6200RH	SNP-6320RH
						
fps@Resolution	60@1280 x 1024	60@1920 x 1080	60@1280 x 1024	60@1920 x 1080	30@1920 x 1080	60@1920 x 1080
Zoom Ratio	43x	32x	32x	32x	20x	32x
Min. Illumination	Color : 0.5Lux (1/30sec, F1.4, 50IRE)	Color : 0.3Lux (1/30sec, F1.6, 50IRE)	Color : 0.2Lux (1/30sec, F1.6, 50IRE)	Color : 0.3Lux (1/30sec, F1.6, 50IRE)	Color : 1.5Lux (1/30sec, F1.6, 50IRE) BW : 0Lux (IR LED on)	Color : 0.3Lux (1/30sec, F1.6, 50IRE) BW : 0Lux (IR LED on)
Pan / Tilt Speed	Max. 700°/sec	Max. 700°/sec	Max. 700°/sec	Max. 700°/sec	Max. 250°/sec	Max. 250°/sec
Auto Tracking	Yes	Yes	N/A	N/A	N/A	Yes
Wide Dynamic Range	120dB	120dB	130dB (TBD)	120dB (TBD)	60dB	120dB
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defog Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defog Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defog Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Defog Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection Face detection	Tampering, Virtual line, Enter / Exit, (Dis)Appear, Audio detection Face detection
Audio Format	AAC (TBD), G.711, G.726	AAC (TBD), G.711, G.726	AAC (TBD), G.711, G.726	AAC (TBD), G.711, G.726	G.711, G.726	AAC (TBD), G.711, G.726
Edge Storage	SD/SDHC/SDXC NAS, PC (TBD)	SD/SDHC/SDXC NAS, PC (TBD)	SD/SDHC/SDXC NAS, PC (TBD)	SD/SDHC/SDXC NAS, PC (TBD)	SD/SDHC	SD/SDHC/SDXC NAS, PC (TBD)
Vandal / Ingress	IK10 / IP66	IK10 (14.4Q) / IP66	IK10 / IP66	IK10 / IP66	IK10 / IP66	IK10 / IP66
Operating Temperature	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F)	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F)	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F)	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) PoE+ : -30°C ~ +55°C (-22°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)	-50°C ~ +55°C (-58°F ~ +131°F)
Power	24V AC, PoE+ (IEEE802.3at class3)	24V AC, PoE+ (IEEE802.3at class3)	24V AC, PoE+ (IEEE802.3at class3)	24V AC, PoE+ (IEEE802.3at class3)	24V AC	24V AC

# The World First and World BEST!

## 1.3MP 43x / 2MP 32x Auto tracking PTZ

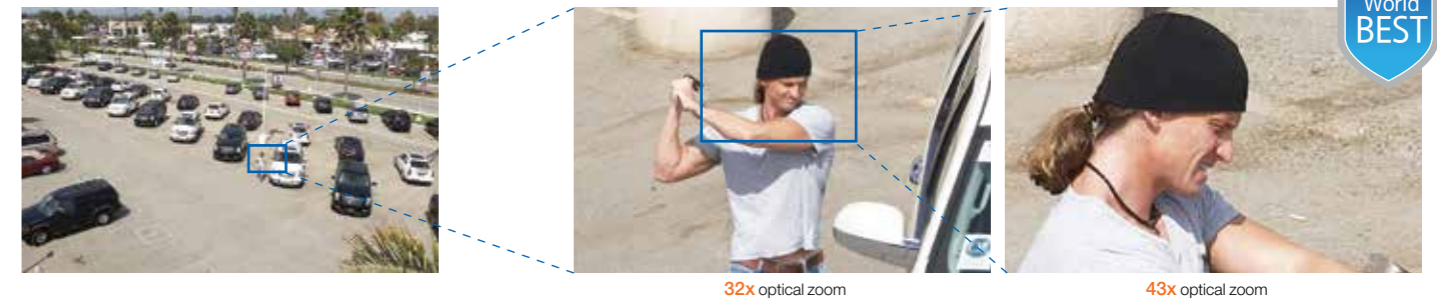
WiseNet III Plus

Provide optimal performance in unattended monitoring environment.



### Max. 43x optical zoom : Capture distant objects clearly at up to 100meters

SNP-5430/5430H PTZ cameras offer 43x (3.5 ~ 150.5mm) zoom function to capture distant objects clearly, and a combined optical/digital zoom up to 688x for broad area monitoring. User can identify the object in detail that user want to see with this powerful zoom. ※SNP-6320/6320H support 32x (4.42 ~ 141.8mm) optical zoom.



### Auto tracking : Persistently follow a suspect

Intelligent auto tracking function lets the camera recognize and follow moving objects, so that user can monitor strange object in detail without the need for operator, freeing them up to manage other cameras in the vicinity.





## Pan/Tilt 700°/sec : Rotate about twice per second!

In Preset mode, SNP-6320/6320H/5430/5430H can rotate at 700° per second pan/tilt that's twice in a second. This high-speed pan/tilt functionality assists in the instant monitoring of an area triggered by alarm presets making it ideal for monitoring cities, airports and ports.

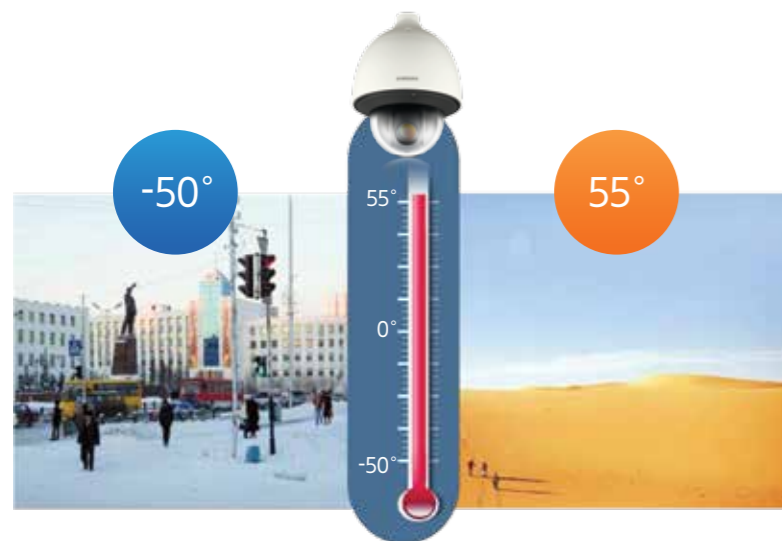


700°/sec



## Durable in any extreme environmental conditions

SNP-6320H and 5430H are designed to reliably functioning in the extreme environmental conditions. It fully operates in the temperature range from -50° to 55, raining or very high humidity condition. Also vandal-resistant casing can protect against external environment perfectly. \*IK10 grade : SNP-6320/5430 + SHP-3701H



IK10 (Impact protection)

# The World First and World BEST!

## 1.3MP 43x / 2MP 32x Auto tracking PTZ

### SNP-5430H/5430

#### 1.3MP HD 43x Network PTZ Camera

- Max. 60fps@1.3MP (1280 x 1024)
- 43x optical zoom (16x digital zoom)
- WDR 120dB, Day & Night (ICR)
- Pan/Tilt Speed
  - Preset : 700°/sec
  - Manual : 0.024°/sec ~ 120°/sec
- Defog, Auto tracking
- Video / Audio analytics
- Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection
- micro SD type (SNP-5430), SD type (SNP-5430H)
- Operating temperature : -50°C ~ +55°C (SNP-5430H only)
- IP66 / IK10 (SNP-5430H only), IK10 (SNP-5430 + SHP-3701H)



SNP-5430

SNP-5430H

### SNP-6320H/6320

#### 2MP Full HD 32x Network PTZ Camera

- Max. 60fps@2MP (1920 x 1080)
- 32x optical zoom (16x digital zoom)
- WDR 120dB, Day & Night (ICR)
- Pan/Tilt Speed
  - Preset : 700°/sec
  - Manual : 0.024°/sec ~ 120°/sec
- Defog, Auto tracking
- Video / Audio analytics
- Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection
- micro SD type (SNP-6320), SD type (SNP-6320H)
- Operating temperature : -50°C ~ +55°C (SNP-6320H only)
- IP66 / IK9 (SNP-6320H only), IK10 (SNP-6320 + SHP-3701H)



SNP-6320H

SNP-6320



# SNP-5430H/5430

1.3Megapixel HD 43x Network PTZ Dome Camera



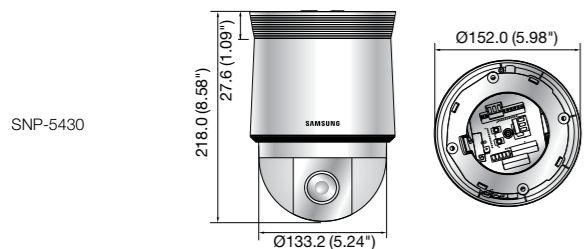
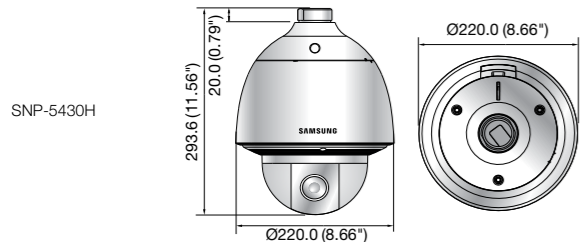
SNP-5430H SNP-5430

## Key Features

- Max. 1.3M (1280 x 1024) resolution
- 16 : 9 HD (720p) resolution support
- 3.5 ~ 150.5mm (43x) optical zoom, 16x digital zoom
- H.264, MJPEG dual codec, Multiple streaming
- Day & Night (ICR), WDR (120dB)
- Auto tracking, Intelligent video analytics
- PoE+, SD/SDHC/SDXC memory slot, Bi-directional audio support
- IP66 (SNP-5430H) / IK10 (SNP-5430H, SNP-5430 + SHP-3701H only)

## Dimensions

Unit : mm (inch)



## 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-5430HN/HP	SNP-5430N/P
<b>VIDEO</b>		
Imaging Device	1/4" 1.3M CMOS	
Total / Effective Pixels	1,392(H) x 1,076(V), 1.49M pixels / 1,368(H) x 1,049(V), 1.43M pixels	
Scanning System	Progressive	
Min. Illumination	Color : 0.5Lux (F1.4, 50IRE), 0.3Lux (F1.4, 30IRE) B/W : 0.01Lux (F1.4, 50IRE), 0.006Lux (F1.4, 30IRE)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vpp / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation	
<b>LENS</b>		
Focal Length (Zoom Ratio)	3.5 ~ 150.5mm (Optical 43x)	
Max. Aperture Ratio	F1.4(Wide) / F4.9(Tele)	
Angular Field of View	H : 53.92°(Wide) ~ 1.396°(Tele) / V : 44.08°(Wide) ~ 1.12°(Tele)	
Min. Object Distance	Wide : 1.4m (4.59ft), 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	
<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	
<b>OPERATIONAL</b>		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	120dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (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 / Mercury / Sodium	
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 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	1280 x 1024, 1280 x 720, 1024 x 768, 800 x 600, 640 x 480, 320 x 240	
Max. Framerate	H.264 : Max. 60fps at all resolutions MJPEG : 1280 x 1024, 1280 x 720, 1024 x 768 : Max. 15fps 800 x 600, 640 x 480, 320 x 240 : 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 : 1 Vrms G.711 u-law/G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz, G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps	
Audio Compression Format	Bi-directional audio	
IP	IPv4, IPv6	
Protocol	TCP/IP, UDP/IP, RTP(UDP), RTP(TCP), RTSP, RTCP, 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	
Edge Storage	SD/SDHC/SDXC (SNP-5430 : micro SD type, SNP-5430H : SD type) 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), SVPN 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 / 8.1, MAC OS X 10.7 / 10.8 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	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH -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	
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
Ingress Protection / Vandal Resistance	IP66 / IK10	
<b>ELECTRICAL</b>		
Input Voltage / Current	24V AC ±10%, PoE+ (IEEE802.3at class3) Max. 24W (Heater off), Max. 65W (Heater on, 24V AC)	
Power Consumption	Max. 20W	
<b>MECHANICAL</b>		
Color / Material	Ivory / Plastic + Metal	
Dimensions (WxH)	Ø220.0 x 293.6mm (Ø8.66" x 11.56")   Ø152.0 x 218.0mm (Ø5.98" x 8.58")	
Weight	3.4Kg (7.5 lb)   2.2Kg (4.85 lb)	
* The latest product information / specification can be found at <a href="http://www.samsungsecurity.com">www.samsungsecurity.com</a>		

# SNP-6320H/6320

2Megapixel Full HD 32x Network PTZ Dome Camera



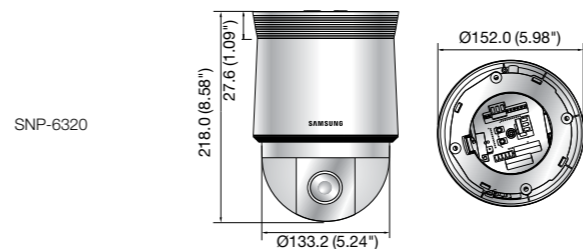
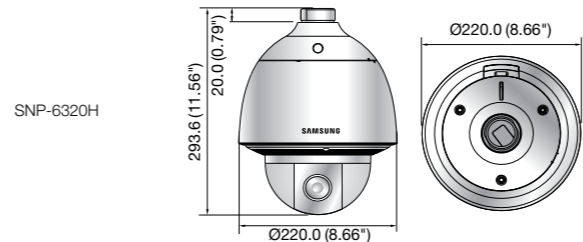
SNP-6320H SNP-6320

## Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 4.44 ~ 142.6mm (32x) optical zoom, 16x digital zoom
- H.264, MJPEG dual codec, Multiple streaming
- Day & Night (ICR), WDR (120dB)
- Auto tracking, Intelligent video analytics
- PoE+, SD/SDHC/SDXC memory slot, Bi-directional audio support
- IP66 / IK9 (SNP-6320H), IK10 (SNP-6320 + SHP-3701H only)

## Dimensions

Unit : mm (inch)



## 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-6320HN/HP	SNP-6320N/P
<b>VIDEO</b>		
Imaging Device	1/2.9" 2M CMOS	
Total / Effective Pixels	1,952(H) x 1,116(V), 2.18M pixels / 1,944(H) x 1,104(V), 2.14M 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 Vpp / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
<b>LENS</b>		
Focal Length (Zoom Ratio)	4.44 ~ 142.6mm (Optical 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 : 1.4m (4.59ft), 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	
<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	
<b>OPERATIONAL</b>		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	120dB	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNRIII (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 / Mercury / Sodium	
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, Sunjing, 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 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	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 : 1 Vrms G.711 u-law/G.726 selectable, G.726 (ADPCM) 8KHz, G.711 8KHz, G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps	
Audio Compression Format	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	
Edge Storage	SD/SDHC/SDXC (SNP-6320 : micro SD type, SNP-6320H : SD type) Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded NAS (Network Attached Storage)	
Application Programming Interface	ONVIF profile S, SUNAPI, SVPN 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 / 8.1, MAC OS X 10.7 / 10.8 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	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) / Less than ~ 90% RH -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	
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
Ingress Protection / Vandal Resistance	IP66 / IK10	
<b>ELECTRICAL</b>		
Input Voltage / Current	24V AC, PoE+ (IEEE802.3at class3) Max. 24W (Heater off), Max. 65W (Heater on, 24V AC)	
Power Consumption	Max. 20W	
<b>MECHANICAL</b>		
Color / Material	Ivory / Plastic + Metal	
Dimensions (WxH)	Ø220.0 x 293.6mm (Ø8.66" x 11.56")   Ø152.0 x 218.0mm (Ø5.98" x 8.58")	
Weight	3.3Kg (7.28 lb)   2.2Kg (4.85 lb)	
* The latest product information / specification can be found at <a href="http://www.samsungsecurity.com">www.samsungsecurity.com</a>		

# Capture clearly in complete darkness using Full HD & 20x Optical Zoom

## SNP-6200RH

2MP Full HD 20x Network IR PTZ Dome Camera

- Max. 30fps@2MP (1920 x 1080)
- 20x (4.45 ~ 89mm) optical zoom, 8x digital zoom
- WDR (60dB, 15fps@WDR mode)
- Day and Night (ICR)
- Pan/Tilt
  - Range : 360° Endless / 190° (-5° ~ 185°)
  - Speed : Preset 250°/sec, Manual 0.024°/sec ~ 120°/sec
- IR LED - 2 IR LED, Viewable Length 100m
- Enhanced Digital Image Stabilization (DIS)
- SSNR III - 2D / 3D adaptive noise reduction
- Privacy masking - 12 rectangle programmable zones
- Video analytics - Tampering, Virtual line, Enter/Exit, (Dis)Appear, Audio detection, Face detection, Motion detection
- H264, MJPEG
- SD/SDHC
- ONVIF, SUNAPI
- Operating temperature : -50°C ~ 55°C
- IP66, IK10



# SNP-6200RH

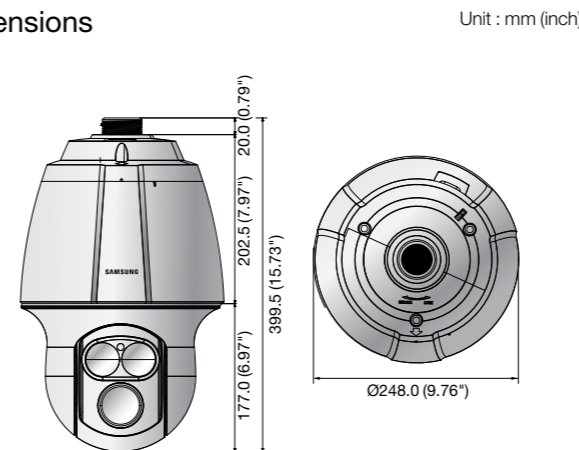
2Megapixel Full HD 20x Network IR PTZ Dome Camera



### Key Features

- Max. 2M (1920 x 1080) resolution
- 16 : 9 Full HD (1080p) resolution support
- 4.45 ~ 89mm (20x) optical zoom, 8x digital zoom
- H.264, MJPEG dual codec, Multiple streaming
- WDR, UPnP and face detection support
- SD/SDHC memory slot, Bi-directional audio support
- IP66, IK10, IR LED (2ea)

### Dimensions



### Accessories (Optional)



SBP-300WM1 SBP-300WM SBP-300CM SBP-300LM SBP-300B SBP-300PM SBP-300KM

	SNP-6200RHN	SNP-6200RHP
<b>VIDEO</b>		
Imaging Device	1/3" 2M CMOS	
Total Pixels	2,010(H) x 1,108(V)	
Effective Pixels	1,944(H) x 1,092(V)	
Scanning System	Progressive	
Min. Illumination	Color : 1.5Lux (F1.6, 50IRE), B/W : 0Lux (IR LED on)	
S / N Ratio	50dB	
Video Output	CVBS : 1.0 Vpp / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation	
<b>LENS</b>		
Focal Length (Zoom Ratio)	4.45 ~ 89mm (Optical 20x)	
Max. Aperture Ratio	F1.6(Wide) / F2.9(Tele)	
Angular Field of View	H : 62.98°(Wide) ~ 3.49°(Tele) / V : 36.98°(Wide) ~ 1.99°(Tele)	
Min. Object Distance	1m (3.28ft)	
Focus Control	Auto / Manual / One shot	
Lens / Mount Type	DC auto iris / Board-in type	
<b>PAN / TILT / ROTATE</b>		
Pan / Tilt Range	360° Endless / 190° (-5° ~ 185°)	
Pan / Tilt Speed	Preset : 250°/sec, Manual : 0.024°/sec ~ 120°/sec	
Preset / Preset Accuracy	255ea / ±0.1°	
<b>OPERATIONAL</b>		
IR LED	2ea	
Viewable Length	100m (328.08ft)	
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night	Auto (ICR) / Color / B/W	
Backlight Compensation	Off / BLC / HLC / WDR	
Wide Dynamic Range	60dB	
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	Off / On (4 programmable zones)	
Privacy Masking	Off / On (12 Rectangle programmable zones)	
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)	
Gain Control	Off / Low / Medium / High / Manual	
White Balance	ATW / Outdoor / Indoor / Manual / AWC (2,400°K ~ 10,500°K)	
Electronic Shutter Speed	Auto / FLK / Manual (1/30 ~ 33,000sec)   Auto / FLK / Manual (1/25 ~ 33,000sec)	
Digital Zoom	Off / On (1x ~ 8x)	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering (Scene change), Virtual line, Enter / Exit, (Dis)Appear, Audio detection, Face detection (5ea)	
Alarm I/O	Input 4ea / Output 3ea	
Remote Control Interface	RS-485/422	
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Panasonic, Honeywell, AD, Vicon, Bosch, GE	
Alarm Triggers	Alarm input, Motion detection, Intelligent video analytics, Network disconnect	
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, TCP, Local storage (SD/SDHC/SDXC) recording at Network disconnected, External output, PTZ preset	
<b>NETWORK</b>		
Ethernet	RJ-45 (10/100BASE-T)	
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG	
Resolution	1920 x 1080P (Full HD), SXGA (1280 x 1024), 1280 x 960, HD (16 : 9, 1280 x 720p), 1024 x 768, SVGA (800 x 600), VGA (640 x 480), QVGA (320 x 240)	
Max. Framerate	30fps (When WDR on, Max. framerate is 15fps)   25fps (When WDR on, Max. framerate is 15fps)	
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 6 profiles)	
Audio I/O	Mic(Line)-in selectable via UI, Line-out (Mono, 1Vrms)	
Audio Compression Format	G.711 u-law, G.726	
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	
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 (Profile S)	
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 Higher, Firefox, Google Chrome, Apple Safari *Apple Safari, Windows Internet Explorer 9.0(32bit) / 8.0(32bit) / 7.0(32bit) *For Mac OS X, only the Safari browser is supported.	
Central Management Software	SmartViewer	
<b>ENVIRONMENTAL</b>		
Operating Temperature / Humidity	-50°C ~ +55°C (-58°F ~ +131°F) / Less than 100% RH	
Ingress Protection	IP66	
Vandal Resistance	IK10	
<b>ELECTRICAL</b>		
Input Voltage / Current	24V AC only	
Power Consumption	Max. 30W (Heater Off) / 35W (Heater Off, IR on), 90W (Heater On, IR on)	
<b>MECHANICAL</b>		
Color / Material	Ivory / Aluminum	
Dimensions (WxH)	Ø248.0 x 399.5mm (Ø9.76" x 15.73")	
Weight	6.9Kg (15.21 lb)	

\* The latest product information / specification can be found at [www.samsungsecurity.com](http://www.samsungsecurity.com)

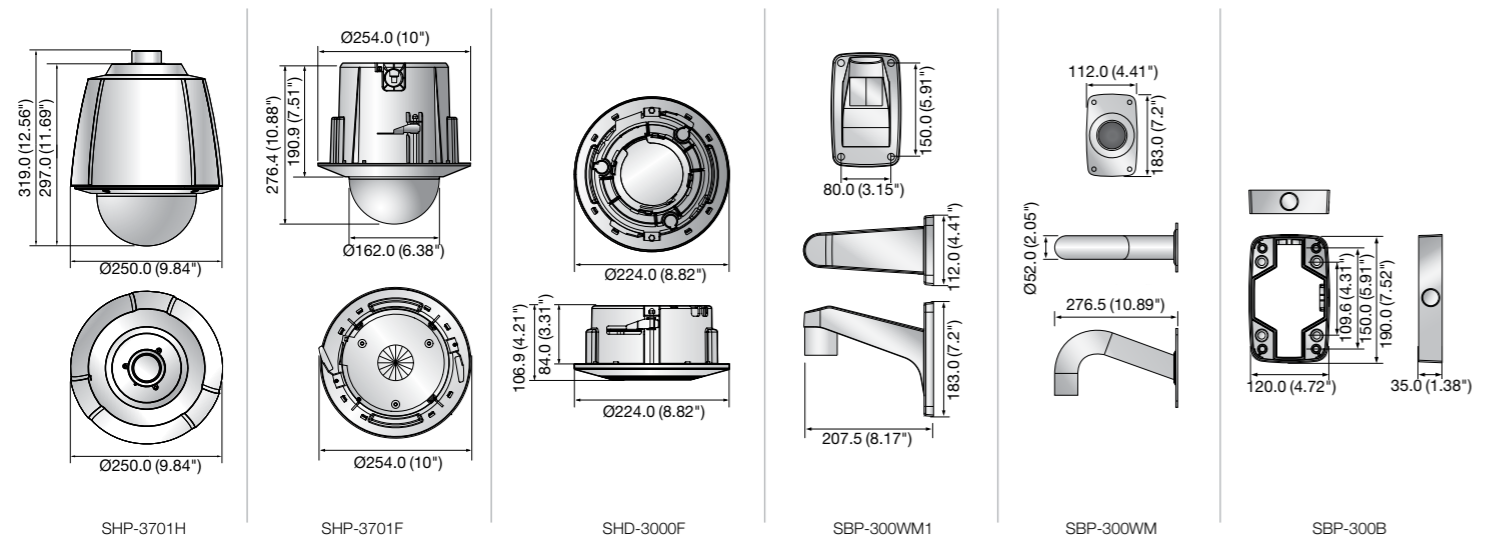


# PTZ Housings/Mounts

	SHP-3701H	SHP-3701F	SHD-3000F1
Operating Temperature	-50°C ~ +50°C (-58°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)	-10°C ~ +50°C (+14°F ~ +122°F)
Operating Humidity	0 ~ 90% RH	0 ~ 90% RH	0 ~ 90% RH
Materials	Body: Aluminum + Poly carbonate	Poly carbonate	Poly carbonate
	Bubble: Poly carbonate	Poly carbonate	N/A
Ingress Protection	IP66	N/A	N/A
Vandal Resistance	IK10	N/A	N/A
Dimensions (WxHxD)	External: Ø250.0 x 319.0mm (Ø9.84" x 12.56")	Ø254.0 x 276.4mm (Ø10" x 10.88")	Ø224.0 x 106.9mm (Ø8.82" x 4.21")
	Internal: Ø195.0 x 230.0mm (Ø7.68" x 9.06")	Ø186.0 x 242.0mm (Ø7.32" x 9.53") (145 at Housing)	N/A
Weight	2.9Kg (6.39 lb)	830g (1.83 lb)	490g (1.08 lb)
Input Voltage	24V AC	N/A	N/A
Power Consumption	Max. 50W	N/A	N/A
Color	Ivory	Ivory	Ivory
Applicable Model	SCP-3430/3371/3370	SCP-3430/3371/3370	SCD-6081R, SCV-6081R
	SCP-3250/2430/2373	SCP-3250/2430/2373	SND-7084R/7084
	SCP-2371/2370/2330	SCP-2371/2370/2330	SND-6084R/6084/6083
	SCP-2273/2271/2270/2250	SCP-2273/2271/2270/2250	SND-5084R/5084/5083
	SNP-6321/6320/6201/6200	SNP-6321/6320/6201/6200	SNV-7084R/7084
	SNP-5430/5321/5300/5200	SNP-5430/5321/5300/5200	SNV-6084R/6084
	SNP-3371/3302	SNP-3371/3302	SNV-5084

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## Dimensions

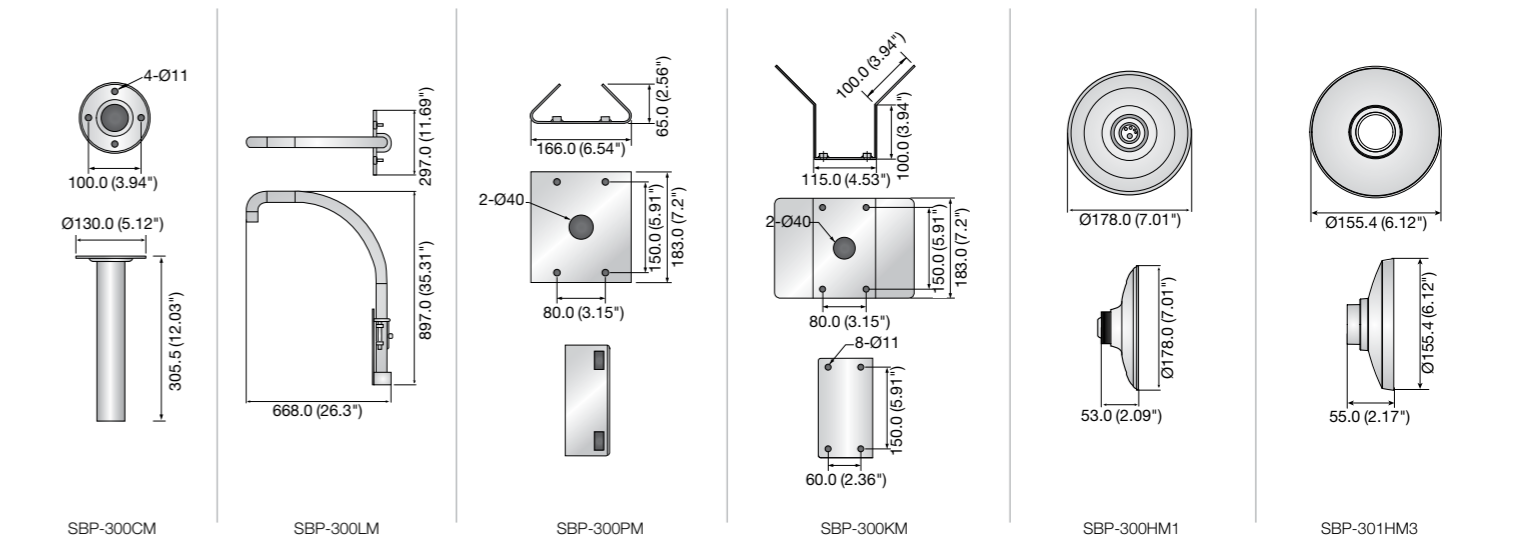


# PTZ Mounts





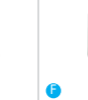




	SBP-300CM	SBP-300LM	SBP-300PM	SBP-300KM	SBP-300HM1	SBP-301HM3
Materials	Aluminum + SECC	Aluminum + SECC	SECC	SECC	Aluminum	Aluminum
Dimensions (WxHxD)	Ø130.0 x 305.5mm (Ø5.12" x 12.03")	297.0 x 897.0 x 668.0mm (11.69" x 35.31" x 26.3")	166.0 x 183.0 x 65.0mm (6.54" x 7.2" x 2.56")	115.0 x 183.0 x 100.0mm (4.53" x 7.2" x 3.94")	Ø178.0 x 53.0mm (Ø7.01" x 2.09")	Ø155.4 x 55.0mm (Ø6.12" x 2.17")
Pipe Thread	1 1/2" PF	1 1/2" PF	N/A	N/A	N/A	N/A
Weight	700g (1.54 lb)	3.5Kg (7.72 lb)	1.4Kg (3.09 lb)	2.2Kg (4.85 lb)	500g (1.1 lb)	500g (1.1 lb)
Color	Ivory	Ivory	Ivory	Ivory	Ivory	Ivory
Applicable Model	SCP-3430H/3371H	SCP-3430H/3371H	SBP-300WM1	SBP-300WM1	SCP-3430/3370	SCP-3371/2373/2273
	SCP-3370TH/3370H	SCP-3370TH/3370H	SBP-300WM	SBP-300WM	SCP-3250/3120	SCP-2371/2271
	SCP-3250H/3120VH	SCP-3250H/3120VH	SBP-300B	SBP-300B	SCP-2430/2370	SNP-6321/6320/6201
	SCP-2430H/2373H/2371H	SCP-2430H/2373H/2371H			SCP-2330	SNP-5430/5321/5300
	SCP-2370TH/2370H	SCP-2370TH/2370H			SCP-2270/2250/2120	SBP-300WM1/300WM
	SCP-2370RH/2330H	SCP-2370RH/2330H			SNP-6200	SBP-300CM/300LM
	SCP-2273H/2271H	SCP-2273H/2271H			SNP-5200	
	SCP-2270H/2250H	SCP-2270H/2250H			SNP-3371/3302/3120	
	SNP-6321H/6320H/6201H	SNP-6321H/6320H/6201H			SBP-300WM1/300WM	
	SNP-6200RH/6200H	SNP-6200RH/6200H			SBP-300CM/300LM	
SNP-5430H/5321H	SNP-5430H/5321H					

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## Dimensions



# Accessories Configuration

Type	Outdoor PTZ					Indoor PTZ			
Shape									
Color	Ivory								
Model	SCP-2370RH SNP-6200RH	SCP-3430H SCP-3250H SCP-2430H SCP-2250H	SCP-3370TH SCP-3370H SCP-2370TH SCP-2370H SCP-2330H SCP-2270H SNP-6200H SNP-5200H SNP-3371TH SNP-3371H SNP-3302H	SCP-3371H SCP-2373H SCP-2371H SCP-2273H SCP-2271H SNP-6321H SNP-6320H SNP-6201H SNP-5430H SNP-5321H SNP-5300H	SCP-3120VH SNP-3120VH	SCP-3430 SCP-3250 SCP-2430 SCP-2250	SCP-3370 SCP-2370 SCP-2330 SCP-2270 SNP-6200 SNP-5200 SNP-3371 SNP-3302	SCP-3371 SCP-2373 SCP-2371 SCP-2273 SCP-2271 SNP-6321 SNP-6320 SNP-6201 SNP-5430 SNP-5321 SNP-5300	SCP-3120 SCP-2120 SNP-3120

