SAMSUNG TECHWIN

iPOLiS
Your smart security solution

WiseNetIII, operational above and beyond the call of duty

3Megapixel Network Camera Full Line-up

SNB-7004/SNO-7084R
SND-7084/SND-7084R
SNV-7084/SNV-7084R

- Sharpe & clear vision
  - 30fps@3M
  - 3M real-time 120dB WDR
- Enhance the level of safety in night
- Fully operational in all weather conditions
  - Defog / Enhanced DIS
  - IK10 and IP66 (SNO-7084R, SNV-7084/7084R)
- Supporting your business through video analytics

FIRST EDITION 04-2014

www.samsungipolis.com

WisenetIII 3Megapixel Network Cameras

	SNB-7004	SNO-7084R	SND-7084	SND-7084R	SNV-7084	SNV-7084R
Imaging Device	1/2.8" PS Exmor 3.2M CMOS					
Simple Focus	Yes	Yes (Motorized V/F)	Yes (Motorized V/F)	Yes (Motorized V/F)	Yes (Motorized V/F)	Yes (Motorized V/F)
P-Iris	Yes	Yes	Yes	Yes	Yes	Yes
Wide Dynamic Range	3M 30fps, 120dB (Real-time)					
Video Codec	H.264, MJPEG					
Streaming	Multiple 10, Crop 5					
Resolution	Max. 2048 x 1536 (3M)					
Max. Frame Rate	30fps@3M, 60fps@2M					
Audio	G.711, G.726					
Storage	SD/SDHC/SDXC (Max. 64GB supported)					
Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata					
Alarm I/O	1 / 1					
Application Programming Interfac	ONVIF profile S, HTTP API v2.0, SVNP 1.2					
Security	HTTPS, 802.1X					
Serial Interface	RS-485	N/A	N/A	N/A	N/A	N/A
Environmental Protection	N/A	IP66 / IK10	N/A	N/A	IP66 / IK10	IP66 / IK10
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)	24V AC : -50°C ~ +55°C (-58°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-10°C ~ +55°C (+14°F ~ +131°F)	-40°C ~ +55°C (-40°F ~ +131°F)	24V AC : -40°C ~ +55°C (-40°F ~ +131°F) 12V DC, PoE : -10°C ~ +55°C (+14°F ~ +131°F)
Power	24V AC, 12V DC, PoE	24V AC, 12V DC, PoE	12V DC, PoE	12V DC, PoE	24V AC, 12V DC, PoE	24V AC, 12V DC, PoE

1.3 ~ 3MP WisenetIII Full Line-up

	BOX	BULLET	DOME	VANDAL	FISHEYE
3MP	SNB-7004	SNO-7084R	SND-7084 SND-7084R	SNV-7084 SNV-7084R	SNF-7010 SNF-7010V(M)
2MP	SNB-6010 SNB-6004 SNB-6003	SNO-6084R SNO-6011R	SND-6084 SND-6083 SND-6084R SND-6011R	SNV-6013 SNV-6012M SNV-6084 SNV-6084R	
1.3MP	SNB-5004 SNB-5003		SND-5084 SND-5083	SNV-5084	

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

I.H-1404

3Megapixel Network Box Camera

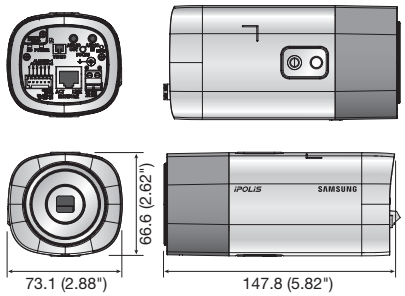
SNB-7004

Key Features

- 30fps@2,048 x1,536 / 60fps@1,920 x 1,080
- Simple focus, P-Iris
- Day & Night (ICR), Enhanced DIS, Defog
- 3M real-time WDR (Max. 120dB)
- Color : 0.1Lux (F1.2, 50IRE)
  B/W : 0.01Lux (F1.2, 50IRE)
- Built-in SD/SDHC/SDXC memory slot
- Built-in mic.

Dimensions

Unit : mm (inch)



Accessory (Optional)

	SNB-7004N/P
VIDEO	
Imaging Device	1/2.8" PS 3.2M CMOS
Total Pixels	2,065(H) x 1,565(V)
Effective Pixels	2,065(H) x 1,553(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), 0.06Lux (F1.2, 30IRE) B/W : 0.01Lux (F1.2, 50IRE), 0.006Lux (F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation DIP connector type
LENS	
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus, Day & Night)
Lens Type	Manual / DC auto iris, P-Iris
Mount Type	C / CS
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / 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 (4 zones with 4-sided polygon)
Privacy Masking	Off / On (32 zones with 4-sided polygon)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata
Alarm I/O	Input 1ea / Output 1ea
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin, Panasonic, Honeywell, AD, Vicon, GE, Bosch
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detection, Network disconnection, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event, External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	2048 x 1536, 1920 x 1080, 1600 x 1200, 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. 30fps@2048 x 1536, Max 60fps@the other resolutions MJPEG : Max. 10fps@2048 x 1536 Max. 15fps@1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 Max. 30fps@800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
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 / Built-in mic), Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm
Audio Out	Line out (3.5mm mono jack), Max output level : 1 Vrms
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	15 users at unicast mode
Edge Storage	micro SD/SDHC/SDXC - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded NAS (Network Attached Storage)
Application Programming Interfac	ONVIF profile S, SUNAPI (HTTP API), SVNP 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, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), 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	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af class3)
Power Consumption	Max. 11.1W (12V DC), Max. 12.6W (PoE), Max. 13.1W (24V AC, 50 ~ 60Hz)
MECHANICAL	
Color / Material	Black, Ivory / Aluminium, Plastic
Dimensions (WxHxD)	73.1 x 66.6 x 147.8mm (2.88" x 2.62" x 5.82")
Weight	430g (0.95 lb)

3Megapixel Weatherproof Network IR Camera

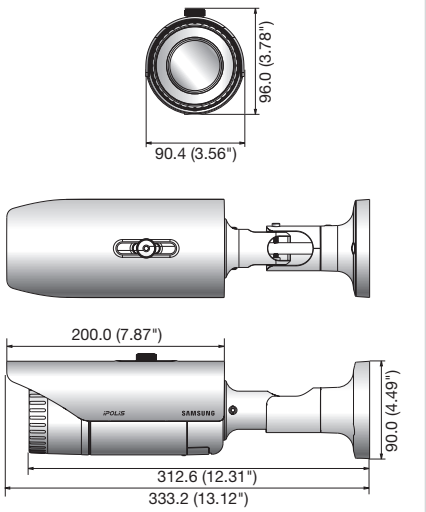
SNO-7084R

Key Features

- 30fps@2,048 x 1,536 / 60fps@1,920 x 1,080
- Simple focus (Motorized VF), P-Iris
- Day&Night (ICR), Enhanced DIS, Defog
- 3M real-time WDR (Max. 120dB)
- Color : 0.1Lux (F1.2, 50IRE)
  B/W : 0Lux (IR LED on)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming
- IP66 / IK10

Dimensions

Unit : mm (inch)



	SNO-7084RN/P
VIDEO	
Imaging Device	1/2.8" PS 3.2M CMOS
Total Pixels	2,065(H) x 1,565(V)
Effective Pixels	2,065(H) x 1,553(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), 0.06Lux (F1.2, 30IRE) B/W : 0Lux (F1.2, 50IRE), 0Lux (F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation Connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)
Lens Type / Mount Type	DC auto iris, P-Iris / Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR LED	20ea
Viewable Length	30m (98.43ft)
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / 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 (4 zones with 4-sided polygon)
Privacy Masking	Off / On (32 zones with 4-sided polygon)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detection, Network disconnection, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event, External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	2048 x 1536, 1920 x 1080, 1600 x 1200, 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. 30fps@2048 x 1536, Max 60fps@the other resolutions MJPEG : Max. 10fps@2048 x 1536 Max. 15fps@1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 Max. 30fps@800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
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
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	15 users at unicast mode
Edge Storage	micro SD/SDHC/SDXC - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded NAS (Network Attached Storage)
Application Programming Interfac	ONVIF profile S, SUNAPI (HTTP API) v2.0, SVNP 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, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), 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 12V DC, PoE : -10°C ~ +55°C (+14°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
ELECTRICAL	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af class3)
Power Consumption	Max. 11.5W (12V DC), Max. 12.5W (PoE), Max. 13.0W / 19.0W (24V AC, Heater off / on) * Heater works at AC power input only
MECHANICAL	
Color / Material	Dark gray / Aluminium
Dimensions (WxHxD)	90.4 x 96.0 x 333.2mm (3.56" x 3.78" x 13.12")
Weight	1.19Kg (2.62 lb)

3Megapixel Network Dome Camera

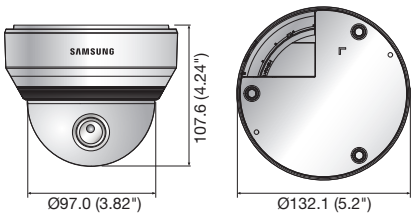
SND-7084

Key Features

- 30fps@2,048 x 1,536 / 60fps@1,920 x 1,080
- Simple focus (Motorized VF), P-Iris
- Day&Night (ICR), Enhanced DIS, Defog
- 3M real-time WDR (Max. 120dB)
- Color : 0.1Lux (F1.2, 50IRE)
  B/W : 0.01Lux (F1.2, 50IRE)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming
- Built-in mic.

Dimensions

Unit : mm (inch)



Accessory (Optional)

	SND-7084N/P
VIDEO	
Imaging Device	1/2.8" PS 3.2M CMOS
Total Pixels	2,065(H) x 1,565(V)
Effective Pixels	2,065(H) x 1,553(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), 0.06Lux (F1.2, 30IRE) B/W : 0.01Lux (F1.2, 50IRE), 0.006Lux (F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)
Lens Type / Mount Type	DC auto iris, P-Iris / Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / 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 (4 zones with 4-sided polygon)
Privacy Masking	Off / On (32 zones with 4-sided polygon)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detection, Network disconnection, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event, External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	2048 x 1536, 1920 x 1080, 1600 x 1200, 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. 30fps@2048 x 1536, Max 60fps@the other resolutions MJPEG : Max. 10fps@2048 x 1536 Max. 15fps@1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 Max. 30fps@800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
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 / Built-in mic), Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm
Audio Out	Line out (3.5mm mono jack), Max output level : 1 Vrms
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	15 users at unicast mode
Edge Storage	micro SD/SDHC/SDXC - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded NAS (Network Attached Storage)
Application Programming Interfac	ONVIF profile S, SUNAPI (HTTP API), SVNP 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, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), 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	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af class 3)
Power Consumption	Max. 9.6W (12V DC), Max. 11.6W (PoE)
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	Ø132.1 x 107.6mm (Ø5.2" x 4.24")
Weight	605g (1.33 lb)

3Megapixel Network IR Dome Camera

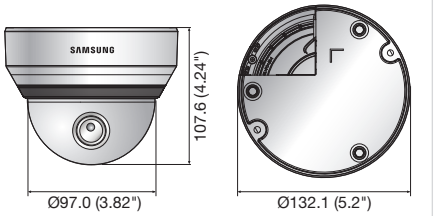
SND-7084R

Key Features

- 30fps@2,048 x 1,536 / 60fps@1,920 x 1,080
- Simple focus (Motorized VF), P-Iris
- Day&Night (ICR), Enhanced DIS, Defog
- 3M real-time WDR (Max. 120dB)
- Color : 0.1Lux (F1.2, 50IRE)
  B/W : 0Lux (IR LED on)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming
- Built-in mic.

Dimensions

Unit : mm (inch)



Accessory (Optional)

	SND-7084RN/P
VIDEO	
Imaging Device	1/2.8" PS 3.2M CMOS
Total Pixels	2,065(H) x 1,565(V)
Effective Pixels	2,065(H) x 1,553(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), 0.06Lux (F1.2, 30IRE) B/W : 0Lux (F1.2, 50IRE), 0Lux (F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)
Lens Type / Mount Type	DC auto iris, P-Iris / Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR LED	12ea
Viewable Length	25m (82.02ft)
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / 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 (4 zones with 4-sided polygon)
Privacy Masking	Off / On (32 zones with 4-sided polygon)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detection, Network disconnection, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event, External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	2048 x 1536, 1920 x 1080, 1600 x 1200, 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. 30fps@2048 x 1536, Max 60fps@the other resolutions MJPEG : Max. 10fps@2048 x 1536 Max. 15fps@1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 Max. 30fps@800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
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 / Built-in mic), Supply voltage : 2.5V DC (4mA), Input impedance : approx. 2K Ohm
Audio Out	Line out (3.5mm mono jack), Max output level : 1 Vrms
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	15 users at unicast mode
Edge Storage	micro SD/SDHC/SDXC - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded NAS (Network Attached Storage)
Application Programming Interfac	ONVIF profile S, SUNAPI (HTTP API), SVNP 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, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), 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	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af class 3)
Power Consumption	Max. 10.0W (12V DC), Max. 11.0W (PoE)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø132.1 x 107.6mm (Ø5.2" x 4.24")
Weight	575g (1.27 lb)

3Megapixel Vandal-Resistant Network Dome Camera

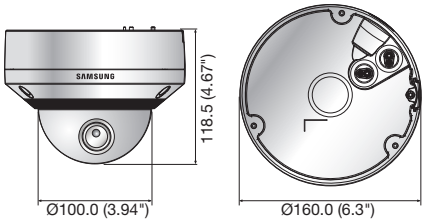
SNV-7084

Key Features

- 30fps@2,048 x 1,536 / 60fps@1,920 x 1,080
- Simple focus (Motorized VF), P-Iris
- Day&Night (ICR), Enhanced DIS, Defog
- 3M real-time WDR (Max. 120dB)
- Color : 0.1Lux (F1.2, 50IRE)
  B/W : 0.01Lux (F1.2, 50IRE)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming, Heater by PoE
- IP66 / IK10

Dimensions

Unit : mm (inch)



Accessory (Optional)

SHD-3000F SBP-301HM3 SBP-300LM

SBP-300CM SBP-300WM1 SBP-300WM

SBP-300B SBP-300PM SBP-300KM

	SNV-7084N/P
VIDEO	
Imaging Device	1/2.8" PS 3.2M CMOS
Total Pixels	2,065(H) x 1,565(V)
Effective Pixels	2,065(H) x 1,553(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), 0.06Lux (F1.2, 30IRE) B/W : 0.01Lux (F1.2, 50IRE), 0.006Lux (F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)
Lens Type / Mount Type	DC auto iris, P-Iris / Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / 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 (4 zones with 4-sided polygon)
Privacy Masking	Off / On (32 zones with 4-sided polygon)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detection, Network disconnection, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event, External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	2048 x 1536, 1920 x 1080, 1600 x 1200, 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. 30fps@2048 x 1536, Max 60fps@the other resolutions MJPEG : Max. 10fps@2048 x 1536 Max. 15fps@1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 Max. 30fps@800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
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
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	15 users at unicast mode
Edge Storage	micro SD/SDHC/SDXC - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded NAS (Network Attached Storage)
Application Programming Interfac	ONVIF profile S, SUNAPI (HTTP API), SVNP 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, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), 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	-40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH *Start up should be done at above -35°C
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, 12V DC, PoE (IEEE802.3af class 3)
Power Consumption	Max. 9.0W / 11.5W (12V DC, Heater off / on), Max. 10.0W / 12.5W (PoE, Heater off / on) Max. 11.0W / 13.0W (24V AC, Heater off / on)
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 118.5mm (Ø6.3" x 4.67")
Weight	960g (2.12 lb)

3Megapixel Vandal-Resistant Network IR Dome Camera

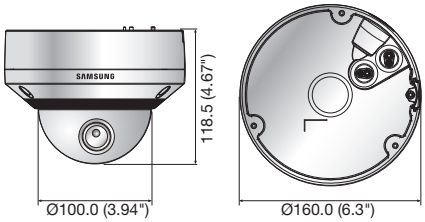
SNV-7084R

Key Features

- 30fps@2,048 x 1,536 / 60fps@1,920 x 1,080
- Simple focus (Motorized VF), P-Iris
- Day&Night (ICR), Enhanced DIS, Defog
- 3M real-time WDR (Max. 120dB)
- Color : 0.1Lux (F1.2, 50IRE)
  B/W : 0Lux (IR LED on)
- Built-in SD/SDHC/SDXC memory slot
- Multi-crop streaming
- IP66 / IK10

Dimensions

Unit : mm (inch)



Accessory (Optional)

SHD-3000F SBP-301HM3 SBP-300LM

SBP-300CM SBP-300WM1 SBP-300WM

SBP-300B SBP-300PM SBP-300KM

	SNV-7084RN/P
VIDEO	
Imaging Device	1/2.8" PS Exmor 3.2M CMOS
Total Pixels	2,065(H) x 1,565(V)
Effective Pixels	2,065(H) x 1,553(V)
Scanning System	Progressive
Min. Illumination	Color : 0.1Lux (F1.2, 50IRE), 0.06Lux (F1.2, 30IRE) B/W : 0Lux (F1.2, 50IRE), 0Lux (F1.2, 30IRE)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 720 x 480(N), 720 x 576(P), for installation DIP connector type
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) motorized varifocal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100.12°(Wide) ~ 35.38°(Tele) / V : 73.76°(Wide) ~ 26.58°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Control	Simple focus (Motorized V/F) / Manual, Remote control via network (Manual, Simple focus)
Lens Type / Mount Type	DC auto iris, P-Iris / Board-in type
PAN / TILT / ROTATE	
Pan / Tilt / Rotate Range	0° ~ 354° / 0° ~ 67° / 0° ~ 355°
OPERATIONAL	
IR LED	12ea
Viewable Length	25m (82.02ft)
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (ICR) / Color / B/W / External / Schedule
Backlight Compensation	Off / BLC / 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 (4 zones with 4-sided polygon)
Privacy Masking	Off / On (32 zones with 4-sided polygon)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker (1 ~ 1/12,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Tampering, Virtual line, Enter / Exit, Appear / Disappear, Audio detection, Face detection with metadata
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Tampering, Audio detection, Face detection, Network disconnection, Video analytics, Alarm input
Alarm Events	File upload via FTP and E-mail, Notification via E-mail, Local storage (SD/SDHC/SDXC) or NAS recording at Event, External output
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG
Resolution	2048 x 1536, 1920 x 1080, 1600 x 1200, 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. 30fps@2048 x 1536, Max 60fps@the other resolutions MJPEG : Max. 10fps@2048 x 1536 Max. 15fps@1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 Max. 30fps@800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
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
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	15 users at unicast mode
Edge Storage	micro SD/SDHC/SDXC - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded NAS (Network Attached Storage)
Application Programming Interfac	ONVIF profile S, SUNAPI (HTTP API), SVNP 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, Norwegian, Finnish
Web Viewer	Supported OS : Windows XP / VISTA / 7 / 8, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 10, 9, 8), Mozilla Firefox (Ver. 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9), Google Chrome (Ver. 25, 24, 23, 22, 21, 20, 19, 18, 17,16, 15), 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 : -40°C ~ +55°C (-40°F ~ +131°F) / Less than 90% RH 12V DC, PoE : -10°C ~ +55°C (+14°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
ELECTRICAL	
Input Voltage / Current	24V AC, 12V DC, PoE (IEEE802.3af class 3)
Power Consumption	Max. 10.5W (12V DC), Max. 11.5W (PoE), Max. 12.0W / 15.0W (24V AC, Heater off / on) * Heater works at AC power input only
MECHANICAL	
Color / Material	Ivory / Aluminum
Dimensions (WxH)	Ø160.0 x 118.5mm (Ø6.3" x 4.67")
Weight	975g (2.15 lb)