SAMSUNG

iPOLiS

Full HD in CCTV

3 Megapixel Network Camera

3Megapixel Full HD Network Dome Camera

SND-7080/7080F

The SND-7080/7080F is an ONVIF complaint 3 Megapixel dome camera that incorporates Samsung's WiseNet2 DSP chipset which has been specifically designed to provide users with maximum benefit from the latest megapixel camera technology. Capable of displaying multiple resolutions from CIF (320 x 240) through to 16:9 format 1080p full HD and up to full 3 megapixel (2048 x 1536). These resolutions have the ability to be transmitted simultaneously, allowing the most relevant stream to be transmitted to your viewing or recording device. The lens focusing can be controlled via the network using the manual and one-shot auto focus function. In addition, the SND-7080/7080F supports multiple H.264 / JPEG codecs to provide a high quality recording solution and seamless monitoring with its frame rates of 30fps (2M)/20fps (3M)

- Max. 3M (2048 x 1536) resolution
- 16:9 Full HD (1080p) resolution support
- 3~8.5mm (2.8x) motorized varifocal lens
- H.264 / MJPEG multiple codecs
- Full HD WDR
- Smart Compression (ROI encoding)

3Megapixel Full HD Network Dome Camera

SND-7080/7080F

3M | 2.8x Motorized lens | WDR | D&N ICR | Smart Compression

SND-7080 SND-7080F

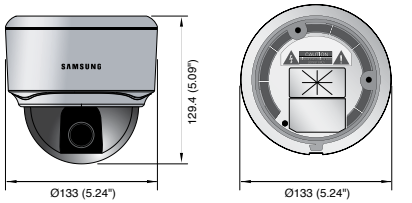
Specifications

ONVIF

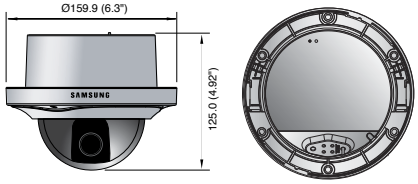
	SND-7080(F)N/P
VIDEO	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixels	2,144(H) x 1,588(V)
Effective Pixels	2,096(H) x 1,561(V)
Scanning System	Progressive
Min. Illumination	Color : 1Lux (F1.2, 50IRE), 0.017Lux (Sens-up 60x), B/W : 0.08Lux (F1.2, 50IRE), 0.001Lux (Sens-up 60x)
S / N Ratio	50dB
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation
LENS	
Focal Length (Zoom Ratio)	3 ~ 8.5mm (2.8x) Motorized vari-focal
Max. Aperture Ratio	F1.2
Angular Field of View	H : 100°(Wide) ~ 35.3°(Tele), V : 74.6°(Wide) ~ 26°(Tele)
Min. Object Distance	0.5m (1.64ft)
Focus Cotrol	Remote control via network (Manual, One-shot AF)
Lens Type	DC auto iris
Mount Type	Board-in type
PAN / TILT / ROTATE	
Pan Range	0° ~ 355°
Tilt Range	0° ~ 90°
Rotate Range	0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 15 characters)
Day & Night	Auto (ICR) / Color / B/W / External B/W
Backlight Compensation	Off / BLC / HLC / WDR
Wide Dynamic Range	Off / On (Full HD WDR), 52dB
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Motion Detection	Off / On (4 programmable zones)
Privacy Masking	Off / On (1ea 4 point polygonal + 16ea rectangular zones)
Sens-up (Frame Integration)	Off / Auto (2x ~ 60x)
Gain Control	Off / Low / Medium / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Auto / A.FLK / Manual (1/30 ~ 30,000sec)
Flip / Mirror	Off / On
Intelligent Video Analytics	Scene Change, Virtual Line, Enter / Exit, Appear / Disappear
Alarm I/O	Input 1ea / Output 1ea (Relay)
Remote Control Interface	RS-485
RS-485 Protocol	Samsung-T/E, Pelco-P/D, Sungjin
NETWORK	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Resolution	3M mode : 2048 x 1536, 1920 x 1080P (Full HD), 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180 2M mode : 1920 x 1080P (Full HD), 1280 x 1024, 1280 x 960, 1280 x 720P (HD), 1024 x 768, 800 x 600, 800 x 450, 640 x 480, 640 x 360, 320 x 240, 320 x 180
Max. Framerate	3M mode : * H.264 : Max 20fps at all resolutions * MJPEG : 800 x 600 ~ 320 x 180 - 20 fps, 1280 x 1024 ~1600 x 1200 - 15 fps, 1920x1080 ~ 2048 x 1536 - 10 fps 2M mode : * H.264 : Max 30fps at all resolutions (When WDR ON, Max. framerate is Max 15fps.) * MJPEG : 800 x 600 ~ 320 x 180 - 30 fp, 1280 x 1024 ~ 1920 x 1080 : 15 fps
Smart Codec	Yes (Area Based Method, Face Detection Method)
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, 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
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
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
Central Management Software	NET-i viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	-10°C ~ +50°C (+14°F ~ +122°F) / 20% ~ 80% RH
ELECTRICAL	
Input Voltage / Current	12V DC, 24V AC, PoE (IEEE802.3af)
Power Consumption	Max. 6W (DC 12V), Max. 7W (AC 24V, PoE (DC 48V))
MECHANICAL	
Color / Material	Ivory / Plastic
Dimensions (WxH)	SND-7080 : Ø133.0 x 129.4mm (Ø5.24" x 5.09"), SND-7080F : Ø159.9 x 125.0mm (Ø6.3" x 4.92") (Flush mounting type)
Weight	SND-7080 : 700g (1.54 lb), SND-7080F : 800g (1.76 lb)

Dimensions

Unit : mm (inch)



SND-7080



SND-7080F

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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