

# SNF-8010/8010VM



5Megapixel Fisheye Camera



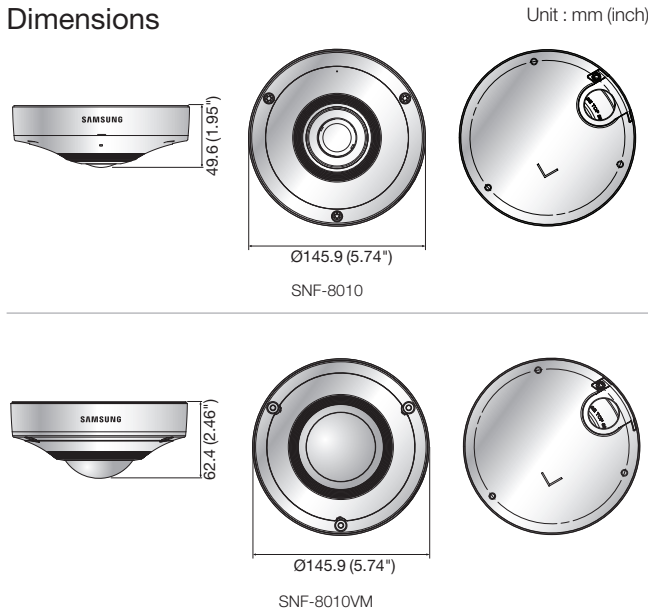
SNF-8010

SNF-8010VM

## Key Features

- Max. 5M (2560 x 2048) resolution
- Various viewing composition, 6 dewarping view mode
- On board dewarping, Digital PTZ / Bi-directional audio
- WDR (60dB), MD, AD
- M12 connector (SNF-8010VM)
- IP66, IK10, EN50155, EN61373 certifications (SNF-8010VM)
- micro SD/SDHC/SDXC memory slot, PoE

## Dimensions



## Accessories (Optional)



SBP-300TM1

SBP-300HM5

SNF-8010/8010VM		
<b>VIDEO</b>		
Imaging Device	1/1.8" 6M CMOS (IMX178)	
Total Pixels / Effective Pixels	6megapixel / 5.2M (2,560 x 2,048)	
Scanning System	Progressive	
Min. Illumination	Color : 0.5Lux (F2.5, 50IRE), 0.2Lux (F2.5, 30IRE) B/W : 0.05Lux (F2.5, 50IRE), 0.02Lux (F2.5, 30IRE)	
<b>LENS</b>		
Focal length / Max. Aperture Ratio	1.14mm fixed / F2.5	
Angular Field of View	H : 187° / V : 187° / D : 187°	
Min. Object Distance / Focus Control	0.3m (0.98ft) ~ Infinity / Manual	
Lens Type / Mount Type	Fixed lens / Board type (M12)	
<b>OPERATIONAL</b>		
Camera Title	Off / On (Displayed up to 15 characters)	
Day & Night / Backlight Compensation	True D&N / BLC	
Wide Dynamic Range	60dB (SSDR)	
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)	
Digital Noise Reduction	SSNR (2D+3D noise filter) (Off / On)	
Motion Detection	Off / On (4ea rectangle zones)	
Privacy Masking	Off / On (32 zones with rectangle)	
Gain Control	Off / Low / Middle / High	
White Balance	ATW / AWC / Manual / Indoor / Outdoor (Include mercury)	
Electronic Shutter Speed	2 ~ 1/12,000sec	
Digital Zoom	16x, Digital PTZ (Preset, Group)	
Flip / Mirror	Off / On	
Intelligent Video Analytics	Tampering, Audio detection	
Alarm I/O	Input 1ea / Output 1ea	
Alarm Triggers	Motion detection, Tampering, Audio detection, 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	
Viewing Composition	Camera : 360 source view, Single panorama, Double panorama, Quad view, Single rectangle CMS : 360 source view, Single panorama, Double panorama, Quad view, Single rectangle, 360 source view + 3 rectangle, Single panorama + 2 rectangle	
<b>NETWORK</b>		
Ethernet	RJ-45 (10/100BASE-T) : Female type, SNF-8010VM : M12 connector type	
Video Compression Format	H.264 (MPEG-4 part 10/AVC), MJPEG	
Resolution	Original View	2560 x 2048, 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768, 800 x 600, 720 x 480, 640 x 480, 320 x 240
	Dewarped View	1. Single rectangle : 800 x 600, 640 x 480, 320 x 240 2. Quad view : 1600 x 1200, 1280 x 960, 1024 x 768, 800 x 600, 640 x 480, 320 x 240 3. Double panorama : 2048 x 1536, 1600 x 1200, 1280 x 960, 1024 x 768, 800 x 600, 640 x 480, 320 x 240 4. Single panorama : 2048 x 768, 1600 x 600, 1280 x 480, 1024 x 384, 800 x 300, 640 x 240, 320 x 120
Max. Framerate	MJPEG	Source view - 2560 x 2048 : 10fps 1920 x 1080, 1600 x 1200, 1280 x 1024, 1280 x 960, 1280 x 720, 1024 x 768 : 15fps 800 x 600, 720 x 480, 640 x 480, 320 x 240 : 20fps Single panorama view - 2048 x 768, 1600 x 1200, 1280 x 480, 1024 x 384 : 15fps 800 x 300, 640 x 240, 320 x 120 : 20fps Double panorama view - 2048 x 1536, 1600 x 1200, 1280 x 960, 1024 x 768 : 15fps 800 x 600, 640 x 480, 320 x 240 : 20fps Quad view - 1600 x 1200, 1280 x 960, 1024 x 768 : 15fps 800 x 600, 640 x 480, 320 x 240 : 20fps Single rectangle view - 800 x 600, 640 x 480, 320 x 240 : 20fps
	H.264	Max. 20fps at all resolution
Video Quality Adjustment	H.264 : Target bitrate level control, MJPEG : Quality level control	
Bitrate Control Method	H.264 : CBR or VBR, MJPEG : VBR	
Streaming Capability	Multiple streaming (Up to 5 profiles)	
Audio In	Selectable (Mic in / Line in : SNF-8010/8010VM), Built-in Mic : SNF-8010	
Audio Out	Supply voltage : 2.5V DC (4mA), Input impedance : approx 2K ohm Line out (3.5mm stereo mini 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 / IP	Bi-directional / 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	micro SD/SDHC/SDXC (64GB) - Motion images recorded in the SDXC/SDHC/SD memory card can be downloaded, NAS (Network Attached Storage)	
Application Programming Interface	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, 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 ~ 25), 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	-10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SNF-8010 -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *Start up should be done at above -25°C (-13°F) : SNF-8010VM	
Storage Temperature / Humidity	-30°C ~ +60°C (-22°F ~ +140°F) / Less than 90% RH	
Ingress Protection / Vandal Resistance	IP66 / IK10 (SNF-8010VM)	
Standard Certification	UL, CE, FCC, RoHS, Gost, KC (EN-61373, EN-50155 : SNF-8010VM)	
<b>ELECTRICAL</b>		
Input Voltage / Current	12V DC ±10%, PoE (IEEE802.3af class3)	
Power Consumption	Max. 8.7W (12V DC), Max. 10.3W (PoE)	
<b>MECHANICAL</b>		
Color / Material	Ivory / Aluminum : SNF-8010, Ivory / Aluminum (Clear dome cover) : SNF-8010VM	
Dimensions (WxH) / Weight	Ø145.9 x 49.6mm (Ø5.74" x 1.95") / 780g (1.72 lb) : SNF-8010 Ø145.9 x 62.4mm (Ø5.74" x 2.46") / 800g (1.76 lb) : SNF-8010VM	

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