

SNF-8010/8010VM



5Megapixel Fisheye Camera



SNF-8010

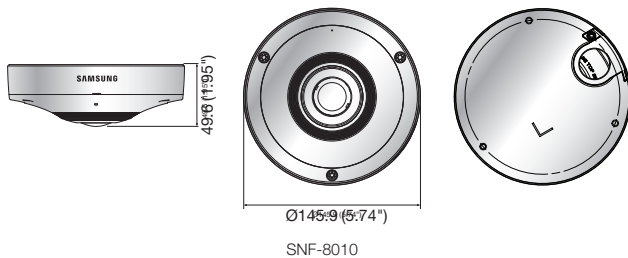
SNF-8010VM

Key Features

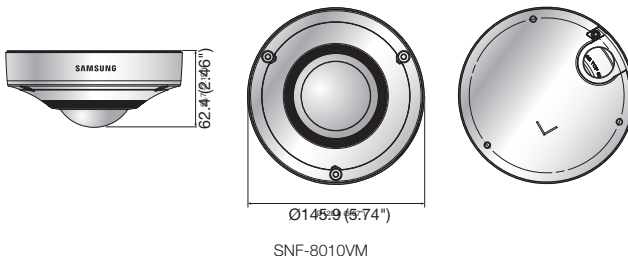
- Max. 5M (2560 x 2048) resolution -
- Various viewing composition, 6 dewarping view mode
- On board dewarping, Digital PTZ / Bi-directional audio
- WDR (60dB), MD, AD -
- M12 connector (SNF-8010VM)
- IP66, IK10, EN50155, EN61373 certifications (SNF-8010VM)
- micro SD/SDHC/SDXC memory slot, PoE

Dimensions

Unit : mm (inch)



SNF-8010



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Accessories (Optional)



SBP-300TM1

SBP-300HM5

SNF-8010/8010VM	
VIDEO	
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)
LENS	
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)
OPERATIONAL	
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
NETWORK	
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), RTSP, RTP, 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, S/NP 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
ENVIRONMENTAL	
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 : SNF-8010VM *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)
ELECTRICAL	
Input Voltage / Current	12V DC $\pm$ 10%, PoE (IEEE802.3af class3)
Power Consumption	Max. 8.7W (12V DC), Max. 10.3W (PoE)
MECHANICAL	
Color / Material	Ivory / Aluminum : SNF-8010, Ivory / Aluminum (Clear dome cover) : SNF-8010VM
Demensions (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