



## 5MP Fisheye Dome IP Camera

SNF-8010

SKU: 13724    UPC: 6950210000000

Capture 360° panoramic views of your home or business and speed up security response times with the SNF-8010 Network Fisheye Dome Camera from Samsung.

Well-suited for video monitoring applications that require high-resolution images, this camera relies upon a 1.8" progressive scan CMOS sensor that can capture images up to 5MP. The camera's fixed 1.14mm lens allows you capture video at a wide range at a maximum f/2.5 aperture ratio. This camera also offers an ultra-wide, 187° field of view as well as a full range of preset digital PTZ controls and 16x zoom capacity for maximum monitoring flexibility. Furthermore, the camera's built-in intelligent video analytics offer panoramic fisheye views and multiple dewarped views of a scene. You can choose from a single rectangular frame, quad view, double panorama or single panorama dewarped viewing formats at a wide range of display resolutions.

Designed to accommodate your evolving security monitoring needs, this camera offers several configurable video features like image enhancement, multiple display modes, 32-zone configurable privacy masking, 4-zone motion detection as well as adjustable frame rates and resolutions. This camera also has an onboard microSD card slot that can support a card up to 64GB in the event that the camera loses connection to its external recording device. This camera has the additional benefit of tamper detection, and will send alerts via email when its ability to capture video has been impeded. For instance, if a vandal physically attempts to damage or remove the camera or spray paints the lens, you will be notified.

Additionally, this camera is ONVIF S compliant, which not only minimizes your surveillance system's bandwidth and storage requirements, but also gives you the flexibility to integrate it into an ONVIF-compatible security video monitoring system. To streamline storage of video files, this camera encodes in one of two formats: H.264 and MJPEG. The first format provides nearly lossless coding and greatly reduced bit rates, and is optimal for video that doesn't have to be transferred at its highest quality. The second independently compresses frames for higher quality images, and takes up slightly more bandwidth. However, in comparison to other video codecs, both of these compression types significantly reduce video file size, contributing to faster uploads and saved bandwidth and storage.

### 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

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 Supply voltage : 2.5V DC (4mA), Input impedance : approx 2K ohm Audio Out 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 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 \*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 ±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 ~145.9 x 49.6mm (~5.74" x 1.95") / 780g (1.72 lb) : SNF-8010 ~145.9 x 62.4mm (~5.74" x 2.46") / 800g (1.76 lb) : SNF-8010VM