

# The Complete 360

The SNF-7010 features our most advanced technology with 3 megapixel 1080p high definition images. It offers 360 degree omnidirectional surveillance range with fisheye lens as well as various viewing composition. Motion Detection provides effective monitoring by detecting any changes in predefined field of view.

## SNF-7010

### 360 Degree Fisheye Camera

- 360° fisheye, Single panorama, Double panorama, Quad, User selectable region, Single rectangle, 1 original, 3 megapixels, 1080p 20fps
- Digital PTZ, Bi-directional audio
- SDXC support
- IK10 and EN50155 certifications on outdoor version

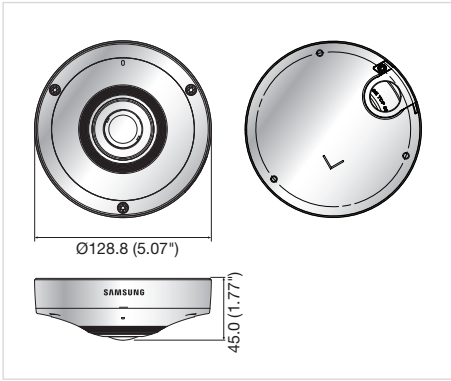


360 Degree Fisheye Camera  
**SNF-7010**



**Dimensions**

Unit : mm (inch)



**Specifications**

SNF-7010	
<b>VIDEO</b>	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixel	3megapixel
Scanning System	Progressive
Min. Illumination	1.3Lux
Video Output	CVBS : 1.0 Vp-p / 75Ω composite, 704 x 480(N), 704 x 576(P), for installation, DIP connector type
<b>LENS</b>	
Focal length	1.05mm
Max. Aperture ratio	F2.8
Angular Field of View	H : 180° / V : 170° / D : 180°
Min. Object Distance	0.3m
Lens Type	Fixed focal
Mount Type	Board-in type
Lens Angle Adjustment	Rotation : 0° ~ 355°
<b>OPERATIONAL</b>	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto / Color / B/W
Backlight compensation	Off / BLC
Wide Dynamic Range	120dB
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNRIII (2D+3D noise filter) (Off / On)
Defog	Off / On
Motion Detection	Off / On (4ea 4points polygonal zones)
Privacy Masking	Off / On (32 zones with 4 points of polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Min / Max / Flicker off / 50Hz / 60Hz / (1s~ 1/12,000s)
Intelligent Video Analytics	Audio detection, Tampering
Alarm I/O	Input 1ea / Output 1ea
Alarm Triggers	Motion detection, Network disconnection
<b>NETWORK</b>	
Ethernet	RJ-45 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Max. Framerate (Raw)	3M 20fps
Dewarping Client	Smart Viewer
Viewing Composition	Camera : 360° fisheye / Client : single panorama, Double panorama, Quad, User selectable region, Single rectangle, 1 original, 3 rectangle, 1 panorama + 2 rectangle
Digital PTZ	Digital PTZ
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	Built-in microphone, mic in/out
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional
IP	IPv4, IPv6
Protocol	TTCP/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, UPnP, Bonjour
Security	HTTPS(SSL) login authentication, Digest login authentication IP address filtering, User access log, 802.1x authentication
Encryption	TLS 1.0, SSL VPN, Video data encryption
Streaming Method	Unicast / Multicast
Max. User Access	15 users at unicast mode
Memory Slot	SD/SDHC/SDXC memory slot
Application Programming Interface	ONVIF profile S, SUNAPI 2.0, SVNP 1.2
Webpage Language	English, French, German, Spanish, Italian, Chinese, Korean, Russian, Japanese, Swedish, Danish, Portuguese, Turkish, Polish, Czech, Rumanian, Serbian, Dutch, Croatia, Hungary, Greek, Finnish, Norwegian
Web Viewer	Supported OS : Windows XP / VISTA / 7, MAC OS X 10.7 or higher (32bit and 64bit OS) Supported Browser : Internet Explorer 7.0 or higher, Firefox 9.0 or higher, Chrome 15.0 or higher, Safari 5.1 or Higher, 64bit OS (32bit Web Browser)
Central Management Software	Smart Viewer
<b>ENVIRONMENTAL</b>	
Operating Temperature / Humidity	PoE : -10°C ~ +55°C (-34°F ~ +140°F) / ~ 90% RH
Vandal Resistance	IK10
<b>ELECTRICAL</b>	
Input Voltage / Current	PoE (IEEE802.3af, Class1)
Power Consumption	Max. 6.5W
<b>MECHANICAL</b>	
Dimensions (W x H)	Ø128.8 x 45.0mm (Ø5.07" x 1.77")
Color / Material	Ivory / Aluminum, PC
Weight	480g (1.06 lb)



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.

■ DISTRIBUTED BY

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