

3Megapixel 360 Degree Fisheye Camera

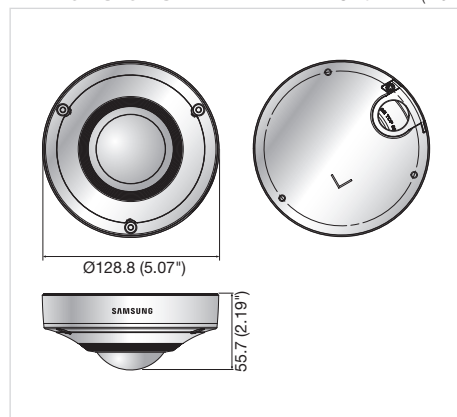
SNF-7010VM

- Max. 3M (2,048 x 1,536) resolution
- Real-time WDR (3M 20fps, 120dB)
- Various viewing composition
: 360° fisheye, Single panorama, Double panorama,
Quad, User selectable region, Single rectangle, 1 original
- Defog, MD, AD, Video analytics
- M12 connector
- IP66, IK10, EN50155 grade
- Micro SD/SDHC/SDXC memory slot, PoE



**Dimensions**

Unit : mm (inch)

**Accessories (Optional)**

The **Eco mark** represents Samsung Techwin's will to create environment-friendly products, and indicates that the product satisfies the EU RoHS Directive.

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SNF-7010VM

VIDEO	
Imaging Device	1/2.8" 3M PS CMOS
Total Pixel	3megapixel
Scanning System	Progressive
Min. Illumination	1.3Lux
LENS	
Focal length	1.05mm fixed
Max. Aperture ratio	F2.8
Angular Field of View	H : 170° / V : 180° / D : 178°
Min. Object Distance	0.3m
Lens Type	Fixed focal
Mount Type	Board-in type
Lens Angle Adjustment	Rotation : 0° ~ 355°
OPERATIONAL	
Camera Title	Off / On (Displayed up to 45 characters)
Day & Night	Auto (Electrical) / Color / B/W
Backlight Compensation	Off / BLC
Wide Dynamic Range	120dB
Contrast Enhancement	SSDR (Samsung Super Dynamic Range) (Off / On)
Digital Noise Reduction	SSNR III (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 Triggers	Motion detection, Tampering, Audio detection, Network disconnection
NETWORK	
Ethernet	M12 (10/100BASE-T)
Video Compression Format	H.264, MJPEG
Max. Framerate (Raw)	3M 20fps
Dewarping	Client
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	External mic
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional
IP	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, 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	Micro SD/SDHC/SDXC memory slot
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, 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
ENVIRONMENTAL	
Operating Temperature / Humidity	-25°C ~ +55°C (-14°F ~ +131°F) / Less than 90% RH
Ingress Protection	IP66 grade
Vandal Resistance	IK10
Railway Certificate	EN50155
ELECTRICAL	
Input Voltage / Current	PoE (IEEE802.3af class3), 12V DC
Power Consumption	Max. 6.5W
MECHANICAL	
Dimensions (W x H)	Ø128.8 x 55.7mm (Ø5.07" x 2.19")
Color / Material	Ivory / Aluminum
Weight	610g (1.34 lb)

Design and specifications are subject to change without notice.

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