

SNF-7010/7010V/7010VM

3Megapixel Fisheye Camera



SNF-7010

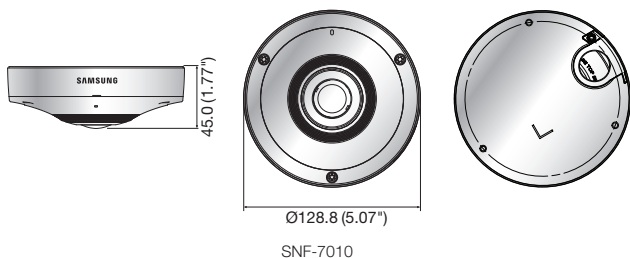
SNF-7010V/7010VM

Key Features

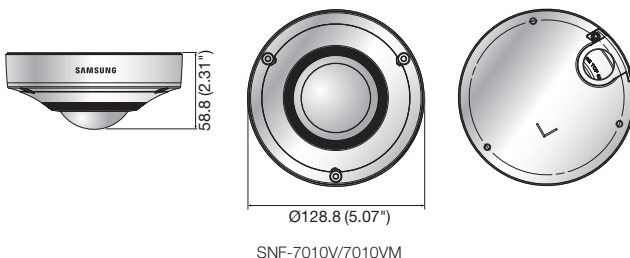
- Max. 3M (2048 x 1536) resolution
- Various viewing composition
- H.264, MJPEG dual codec, Multiple streaming
- Digital PTZ, Bi-directional audio support
- WDR (120dB), SD/SDHC/SDXC memory slot
- IP66, IK10 and EN50155 certifications (SNF-7010V/7010VM)
- M12 connector (SNF-7010VM)

Dimensions

Unit : mm (inch)



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Accessories (Optional)



SBP-300TM

SBP-301HM4

SNF-7010/7010V/7010VM

VIDEO	
Imaging Device	1/2.8" 3M CMOS
Total Pixels	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 (0.98ft)
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 / Schedule
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)
Motion Detection	Off / On (4ea, 4 point polygonal)
Privacy Masking	Off / On (32-4 point polygonal)
Gain Control	Off / Low / Middle / High
White Balance	ATW / AWC / Manual / Indoor / Outdoor
Electronic Shutter Speed	Minimum / Maximum / Anti flicker / 50Hz / 60Hz (2 ~ 1/12,000sec)
Intelligent Video Analytics	Tampering
Alarm Triggers	Motion detection, Tampering, Audio detection, Network disconnection
NETWORK	
Ethernet	RJ-45 (10/100BASE-T) : SNF-7010/7010V, M12 (10/100BASE-T) : SNF-7010VM
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
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 : SNF-7010, External mic in/out : SNF-7010/7010V/7010VM
Audio Compression Format	G.711 u-law, G.726 (16Kbps, 24Kbps, 32Kbps, 40Kbps)
Audio Communication	Bi-directional
IP	IPv4, IPv6
Protocol	TTC/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
Max. User Access	15 users at unicast mode
Edge Storage	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 / 8 / 8.1, MAC OS X 10.7 Supported Browser : Microsoft Internet Explorer (Ver. 11 ~ 8) Mozilla Firefox (Ver. 19 ~ 9) * Windows only Google Chrome (Ver. 25 ~ 15) * Windows only Apple Safari (Ver. 6.0.2(Mac OS X 10.8, 10.7 only), 5.1.7) * Mac OS X only
Central Management Software	Smart Viewer
ENVIRONMENTAL	
Operating Temperature / Humidity	PoE : -10°C ~ +55°C (+14°F ~ +131°F) / Less than 90% RH : SNF-7010 PoE : -30°C ~ +55°C (-22°F ~ +131°F) / Less than 90% RH *Start up should be done at above -25°C (-13°F) : SNF-7010V/7010VM
Ingress Protection	IP66 : SNF-7010V/7010VM
Vandal Resistance	IK10 : SNF-7010V/7010VM
Railway Certificate	EN50155 : SNF-7010V/7010VM
ELECTRICAL	
Input Voltage / Current	12V DC, PoE (IEEE802.3af class3) : SNF-7010/7010V 12V DC, PoE (Class A type only) : SNF-7010VM
Power Consumption	Max. 7.4W
MECHANICAL	
Color / Material	Ivory / Aluminum (PC) : SNF-7010, Ivory / Aluminum : SNF-7010V/7010VM
Dimensions (WxH)	Ø128.8 x 45.0mm (Ø5.07" x 1.77") : SNF-7010 Ø128.8 x 58.8mm (Ø5.07" x 2.31") : SNF-7010V/7010VM
Weight	480g (1.06 lb) : SNF-7010, 550g (1.21 lb) : SNF-7010V/7010VM

* Data recorded on an SD memory card may be lost or damaged by data access during power-off, mechanical shock, memory card detachment, or other operations. Data loss or damage can also occur when a memory card reaches end of life, which varies according to operational conditions. No guarantee is given against damage (including passive damage).

* The latest product information / specification can be found at www.samsungsecurity.com