



AVer SF2100H & SF2012H series

Real-time HD1080p/720p 2-megapixel IP cameras

Featuring a range of camera types, like cube, box, bullet, and dome, the SF2100H & SF2012H 2-megapixel IP camera series adopts the latest H.264 technology and delivers real-time recording and display at HD1080p/720p resolution. Coupling AVer's IP cameras with its DVRs/NVRs helps users to achieve unlimited surveillance management through CMS and remote access via mobile devices, like iPhones, iPads, and Android phones. Adopting AVer's complete solution is certain to strengthen your competitive edge when exploring new business opportunities.



Exclusive intelligent streaming technology

When fully integrated with AVer DVRs/NVRs, the SF2100H & SF2012H IP camera series gives users excellent preview performance by allowing them to select a channel's compression type, frame rate and quality.

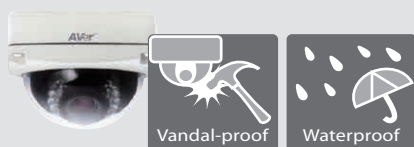
SF2100H & SF2012H series



IMD (Intelligent Motion Detection)

IMD is a user-defined graphic motion sensitivity feature that minimizes false alarms through higher detection efficiency. Up to 3 detection zones in all can be defined with this function.

SF2100H & SF2012H series



Waterproof and vandal-proof

With waterproof IP66-rated housing, AVer IP cameras are protected from harsh conditions, such as rain. Besides, the SF2012H-DV comes with durable metal housing and shock-resistant protective glass suitable in areas prone to vandalism.

SF2012H-B (with waterproof feature)
SF2012H-DV (with waterproof & vandal-proof feature)



NEW SF2121H-R



SF2012H



SF2012H-B

	box		bullet
application environment	indoor / outdoor (with suitable housing)		indoor / outdoor (IP66)
system	128		16
flash (MB)	256		
RAM (MB)	Linux		
embedded OS	1/2.7" CMOS (2 megapixels)		1/3.2" CMOS (2 megapixels)
camera image	0.2 Lux @ F/1.2		0.5 Lux @ F/1.5
sensor	no		0 Lux @ F/1.2 (IR LED on)
min. illumination	no		35-piece IR LED
built-in LED	yes		20M
IR distance	yes		
built-in Mechanical ICR	yes		
auto IRIS			
lens	(CS mount)		vari-focal lens
lens type	n/a		F/1.2
F/no	n/a		f3.6~16mm
focal length	n/a		75.4° (W)~20.8° (T) (horizontal) 54.9° (W)~15.7° (T) (vertical)
viewing angle	no		
3-axis bracket adjustment angle	H.264 / MPEG-4 / MJPEG simultaneously		
video	1920 x 1080		1600 x 1200
compression	H.264 / MPEG-4 up to 30fps (1920 x 1080) MJPEG up to 24fps (1600 x 1200) MJPEG up to 30fps (1280 x 1024)		H.264 / MJPEG up to 15fps (1600 x 1200) up to 30fps (1280 x 720)
max. resolution (H.264/MJPEG)	16Kbps~16Mbps		32Kbps~4Mbps
max. frame rate	H.264 / MPEG-4 / MJPEG (3GPP only)		
bit rate mode	3		
streaming	yes		no
IMD (Intelligent Motion Detection) zones	yes		
WDR (Wide Dynamic Range)	yes		
BLC (Backlight Compensation)	yes		
noise reduction	yes		
ePTZ	3		
privacy mask areas	mirror, flip		
image orientation			
audio	G.711/G.726/GSM-AMR audio compression		G.711 audio compression
audio encoder	2-way audio		
audio streaming	built-in microphone		external microphone input
microphone	HTTP, HTTPS, TCP/IP (IPv4), UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video & audio), Samba, QoS		HTTP, TCP/IP (IPv4), UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba
network	Ethernet (10/100 Base-T), RJ-45 connector		
protocols	password protection		
Ethernet	up to 10 users simultaneously		
security			
users			
alarm	mail, FTP, save to on-board storage, relay, Samba		
alarm triggers			
interface	1/1		
digital input/output	SDHC card (32GB max.)		SDHC card ¹ (32GB max.)
built-in storage option			
general	DC 12V		
power supply	8.8W		4.6W
power consumption	PoE Class 3 (IEEE802.3af) power consumption: 9.0W		PoE Class 0 (IEEE802.3af) power consumption: 6.6W
PoE	69 W x 58.6 H x 165.05 D (mm)		83 Ø x 180 H (mm)
dimensions	490g (w/o bracket)		1,000g (w/o bracket)
net weight	0°C~50°C, 20%~90%		-10°C~40°C, 20%~80%
temperature and humidity			
software	IE 7.0 and above		IE 6.0, Firefox 2.0, Safari 4.0 or above
browser	yes		
firmware upgrade (via HTTP)	free bundle up to 32CH		
bundled software (NXU Lite ²)			

1. SDHC card installed upon assembly

2. supported languages: English, German, Hebrew, Japanese, Polish, Russian, Swedish, Traditional Chinese, Turkish

* warranty: 24 months

** specification are subject to change without prior notice



SF2012H-C



SF2012H-D



SF2012H-DV

	cube	dome	vandal dome
application environment			
indoor/outdoor	indoor		indoor / outdoor (IP66)
system			
flash (MB)	16		
RAM (MB)	256		
embedded OS	Linux		
camera image			
sensor	1/3.2" CMOS (2 megapixels)		
min. illumination	1.5 Lux @ F/2.0	0 Lux @ F/1.2 (IR LED on)	
built-in LED	no	18-piece IR LED	
IR distance	no	15M	
built-in Mechanical ICR	no	yes	
auto IRIS	no	yes	
lens			
lens type	fixed lens	vari-focal lens	
F/no	F/2.0	F/1.2	
focal length	f4.3mm	f2.7~9mm	
viewing angle	72°	101° (W)~30.4° (T) (horizontal) 75° (W)~23° (T) (vertical)	
3-axis bracket adjustment angle	no	pan: 172°, tilt: 30°~90°, rotation: 172°	pan: 348°, tilt: 30°~90°, rotation: 172°
video			
compression	H.264 / MPEG-4 / MJPEG simultaneously		
max. resolution (H.264/MJPEG)	1600 x 1200		
max. frame rate	H.264 / MJPEG up to 15fps (1600 x 1200), up to 30fps (1280 x 720)		
bit rate mode	32Kbps~4Mbps		
streaming	H.264 / MPEG-4 / MJPEG (3GPP only)		
IMD (Intelligent Motion Detection) zones	3		
WDR (Wide Dynamic Range)	no		
BLC (Backlight Compensation)	yes		
noise reduction	yes		
ePTZ	yes		
privacy mask areas	3		
image orientation	mirror, flip		
audio			
audio encoder	G.711 audio compression		
audio streaming	2-way audio		
microphone	built-in microphone	external microphone input	
network			
protocols	HTTP, TCP/IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP, Samba		
Ethernet	Ethernet (10/100 Base-T), RJ-45 connector		
security	password protection		
users	up to 10 users simultaneously		
alarm			
alarm triggers	mail, FTP, save to on-board storage, Samba	mail, FTP, save to on-board storage, relay, Samba	
interface			
digital input/output	no	1/1	
built-in storage option	microSDHC card (32GB max.)	SDHC card (32GB max.)	
general			
power supply	DC 12V		
power consumption	3.6W	6.2W (IR LED on) / 4.7W (IR LED off)	5.3W (IR LED on) / 4.2W (IR LED off)
PoE	no	PoE Class 0 (IEEE802.3af) power consumption: 8.8W (IR LED on) / 6.7W (IR LED off)	PoE Class 0 (IEEE802.3af) power consumption: 7.6W (IR LED on) / 6.0W (IR LED off)
dimensions	94.3 W x 59.1 H x 45.2 D (mm)	132 Ø x 108 H (mm)	140 Ø x 130 H (mm)
net weight	240g (w/o bracket)	680g (w/o bracket)	1,300g (w/o bracket)
temperature and humidity	-10°C~40°C, 20%~80%		
software			
browser	IE 6.0, Firefox 2.0, Safari 4.0 or above		
firmware upgrade (via HTTP)	yes		
bundled software (NXU Lite)	free bundle up to 32CH		

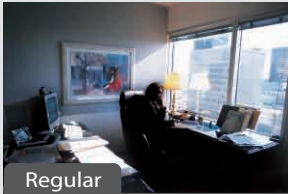
NEW

AVer SF2121H-R

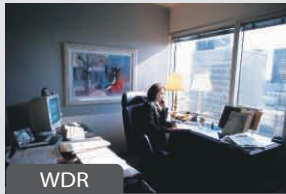
Full HD • Day & Night • WDR • ePTZ

The SF2121H-R employs many advanced features, letting users enjoy excellent video quality with full HD1080p resolution at 30fps. The camera's mechanical IR-cut filter offers clear video both day and night, and PoE class 3 support makes installation easier and more cost-effective. Factor in SF2121H-R's noise reduction, ePTZ control, SDHC card slot, multiple streams, and the bundled AVer NXU Lite 32CH management software, and it's clear that the SF2121H-R is a professional, cost-effective choice perfect for a variety of video surveillance applications.

Full HD
1080



Regular



WDR

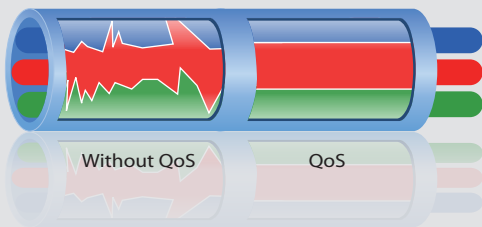
WDR (Wide Dynamic Range)

The SF2121H-R comes with WDR technology to maintain proper lighting contrast and ensure image clarity when experiencing severe backlight, glare, reflection and other extreme lighting conditions. This handy feature enables the SF2121H-R to cope with any challenging lighting environment.



3GPP mobile surveillance

The added GSM-ARM audio codec (bit rate: 4.75 kbps to 12.2 kbps) enhances the support for 3GPP mobile surveillance, enabling users to monitor live streaming video and make audio calls on the go via an Internet-ready mobile phone.



QoS (Quality of Service)

QoS technology gives SF2121H-R the ability to prioritize critical traffic over less vital traffic, managing bandwidth resources for better network reliability. By taking advantage of QoS, users can set desired video quality levels for each service to run multiple applications smoothly on the same network.

Specification of optional lens

model	lens type	F/no	focal length	viewing angle
SF2121H-R	vari-focal lens (CS mount)	F1.2	f3.1~8mm	105.4° (W)~42.2° (T) (horizontal) 57.9° (W)~23.8° (T) (vertical)
SF2012H	fixed lens (CS mount)	F1.8	f3.7mm	80.2°

* installed upon assembly

Distributor/Dealer:



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