



# AVer IP Camera Series

## Real-time HD 2-megapixel IP cameras

AVer's range of high definition IP cameras adopt the H.264 standard, delivering real-time recording and video preview. All AVer IP cameras come with NXU Lite, AVer's free 32CH video management software (VMS). Users can achieve unlimited surveillance management of DVRs/NVRs and VMS through AVer's CM3000 & CM3000 Gold Central Management Systems (CMS) and remote IP camera / recorder access via iPhones, iPads and Android mobile devices. Let AVer IP cameras strengthen your competitive edge when going after new security projects.



### Plug and Play

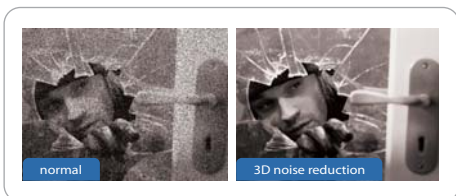
Simply connect AVer IP cameras to a hub or PoE switch and connect it to an AVer DVR/NVR\*; with no further configurations, the IP cameras are automatically detected and running in no time.

\* please refer to AVer Global website for support models



### Exclusive Intelligent Streaming Technology

Fully integrated with AVer DVRs/NVRs, AVer IP cameras give users excellent preview performance by allowing them to customize and optimize a channel's compression type, frame rate and quality.



### Dynamic Noise Reduction

AVer's SF2121H IP camera series features advanced automated 3D and 2D denoise adjustment to deliver cleaner, sharper images even in low lighting conditions and greater storage efficiency.



NEW SF2121H-R



SF2012H



SF2012H-C

	box		cube
<b>application environment</b>	indoor / outdoor (with suitable housing)		indoor
indoor/outdoor	indoor / outdoor (with suitable housing)		indoor
day/night control	auto / manual / schedule	auto / manual	n/a
<b>system</b>			
flash (MB)	128		16
RAM (MB)		256	
<b>camera image</b>			
sensor	1/2.7" CMOS	1/3.2" CMOS	1/3.2" CMOS
min. illumination	color: 0.15 lux @ F1.2 black & white: 0.001 lux @ F1.2	color: 1.0 lux @ F1.5 black & white: 0.05 lux @ F1.5	color: 1.5 lux @ F2.0 black & white: 0.5 lux @ F2.0
built-in LED		no	
IR distance		n/a	
built-in mechanical ICR	yes		no
auto IRIS	yes		no
<b>lens</b>	(optional <sup>2</sup> )		
lens type	vari-focal lens (CS mount)	(CS mount)	fixed lens
F/no	F1.2	n/a	F2.0
focal length	f3.1~8mm	n/a	f4.3mm
viewing angle	105.4°(W)~42.2°(T) (horizontal) 57.9°(W)~23.8°(T) (vertical)	n/a	72°
3-axis bracket adjustment angle		n/a	
<b>video</b>			
compression	H.264 / MPEG-4 / MJPEG simultaneously		
max. resolution (H.264/MJPEG)	full HD (1920 x 1080)		1600 x 1200
max. frame rate	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) MPEG-4 up to 5fps (176 x 144)
streaming	H.264 / MPEG-4 (3GPP only) / MJPEG		H.264 / MPEG-4 (3GPP only) / MJPEG
multiple streams		yes	
IMD (Intelligent Motion Detection) zone		3	
WDR (Wide Dynamic Range)	yes		no
BLC (Backlight Compensation)		yes	
noise reduction	3D, 2D		2D
ePTZ		yes	
privacy mask		3	
<b>audio</b>			
audio encoder	G.711 / G.726 audio compression		G.711 audio compression
audio streaming		2-way audio	
microphone		built-in microphone	
<b>network</b>			
protocol	HTTP, HTTPS, TCP/IP, QoS/DSCP, UPnP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, 3GPP (video only), Samba		HTTP, TCP/IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba
Ethernet		Ethernet (10/100 Base-T), RJ45 connector	
security	password protection, IP address filtering, HTTPS encrypted data transmission		password protection
<b>alarm</b>			
trigger event	mail, FTP, save to SD/SDHC card, relay, Samba		mail, FTP, save to microSDHC card, relay, Samba
<b>interface</b>			
digital input/output	1/1		no
built-in storage option	SDHC card (32GB max.)		microSDHC card (16GB max.)
<b>general</b>			
power supply	DC 12V / PoE		DC 12V
PoE	PoE Class 3 (IEEE802.3af) power consumption: 6.5W	PoE Class 0 (IEEE802.3af) power consumption: 6.6W	n/a
dimensions	69 W x 58.6 H x 165.05 D (mm)	58 W x 65 H x 131.5 D (mm)	94.3 W x 59.1 H x 45.2 D (mm)
net weight	490g (w/o bracket)	450g (w/o bracket)	240g (w/o bracket)
temperature and humidity	0°C~50°C, 20%~90%	0°C~40°C, 20%~80%	-10°C~40°C, 20%~80%
<b>bundled software</b>			
VMS (NXU Lite <sup>1</sup> )	free up to 32CH		

1. support languages: English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish

2. optional accessory

\* warranty: 24 months

\*\* specifications are subject to change without prior notice



**NEW** SF2121H-BHR-50  
SF2121H-BHR-30  
coming soon



**NEW** SF2111H-BR



SF2012H-B

		bullet		
<b>application environment</b>				
indoor/outdoor	indoor / outdoor (IP68)		indoor / outdoor (IP66)	
day/night control	auto / manual / schedule			auto
<b>system</b>				
flash (MB)	128		16	
RAM (MB)	256			
<b>camera image</b>				
sensor	1/2.7" CMOS		1/3.2" CMOS	
min. illumination	to be confirmed	color: 0.5 lux @ F1.8 black & white: 0.0018 lux @ F1.8 0 lux @ F1.8 (IR LED on)	color: 1.0 lux @ F1.5 black & white: 0.05 lux @ F1.5 0 lux @ F1.5 (IR LED on)	
built-in LED	48-piece / 28-piece IR LED		35-piece IR LED	
IR distance	50m / 30m		25m	20m
built-in mechanical ICR	yes			
auto IRIS	yes			
<b>lens</b>	Computar AG3Z0312LMRP-N			
lens type	vari-focal lens			
F/no	F1.2		F1.8	
focal length	f3~9mm		f3.5-16mm	
viewing angle	121.2°(W)~38.1°(T) (horizontal) 62.1°(W)~21.3°(T) (vertical)	97.9°(W)~23.6°(T) (horizontal) 51.6°(W)~14.2°(T) (vertical)	20.8°~75.4° (horizontal) 15.7°~54.9° (vertical)	
3-axis bracket adjustment angle	n/a			
<b>video</b>				
compression	H.264 / MPEG-4 / MJPEG simultaneously			
max. resolution (H.264/MJPEG)	full HD (1920 x 1080)		1600 x 1200	
max. frame rate	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 30fps (1920 x 1080) MPEG-4 up to 15fps (640 x 480)	H.264 / MJPEG up to 15fps (1600x1200) MPEG-4 up to 5fps (176 x 144)	
streaming	H.264 / MPEG-4 (3GPP only) / MJPEG			H.264 / MPEG-4 (3GPP only) / MJPEG
multiple streams	yes			
IMD (Intelligent Motion Detection) zone	3			
WDR (Wide Dynamic Range)	yes			no
BLC (Backlight Compensation)	yes			
noise reduction	3D, 2D			2D
ePTZ	yes			
privacy mask	3			
<b>audio</b>				
audio encoder	G.711 / G.726 audio compression		G.711 audio compression	
audio streaming	2-way audio			
microphone	external microphone input			
<b>network</b>				
protocol	HTTP, HTTPS, TCP/IP, QoS/DSCP, UPnP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, 3GPP (video only), Samba	HTTP, HTTPS, TCP/IP (IPv4, IPv6), SNMP, QoS/DSCP, Access list, RTSP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba, Bonjour	HTTP, TCP/IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba	
Ethernet	Ethernet (10/100 Base-T), RJ45 connector			
security	password protection, IP address filtering, HTTPS encrypted data transmission			password protection
<b>alarm</b>				
trigger event	mail, FTP, save to microSDHC card, relay, Samba			mail, FTP, relay, Samba
<b>interface</b>				
digital input/output	1/1			
built-in storage option	microSDHC (32GB max.)			no
<b>general</b>				
power supply	DC 12V / PoE			
PoE	PoE Class 4 (IEEE802.3af) power consumption: to be confirmed	PoE Class 0 (IEEE802.3af) power consumption: 8.2W (IR LED on) / 4.8W (IR LED off)	PoE Class 0 (IEEE802.3af) power consumption: 9.3W (IR LED on) / 6.9W (IR LED off)	
dimensions	100 W x 220 H (mm)		83 Ø x 180 H (mm)	
net weight	2108g (w/ bracket)		1100g (w/ bracket)	
temperature and humidity	to be confirmed		-10°C~45°C, 20%~80%	
<b>bundled software</b>				
VMS (NXU Lite <sup>1</sup> )	free up to 32CH			



NEW SF2111H-DR



SF2012H-D



NEW SF2112H-DR  
coming soon

	dome		ceiling dome
<b>application environment</b>			
indoor/outdoor	indoor		
day/night control	auto / manual / schedule		n/a
<b>system</b>			
flash (MB)	16		DDR3 256
RAM (MB)	256		
<b>camera image</b>			
sensor	1/2.7" CMOS		1/3" CMOS
min. illumination	color: 0.5 lux @ F1.8 black & white: 0.0018 lux @ F1.8 lux @ F1.8 (IR LED on)		color: 1.0 lux @ F1.5 black & white: 0.05 lux @ F1.5 0 lux @ F1.5 (IR LED on)
built-in LED	18-piece IR LED		no
IR distance	15m		n/a
built-in mechanical ICR	yes		n/a
auto IRIS	yes		n/a
<b>lens</b>			
lens type	vari-focal lens		M12 fixed lens
F/no	F1.8		F2.0
focal length	f3~9mm		f3.4mm
viewing angle	126.8°(W)~35.3°(T) (horizontal) 69.3°(W)~21.5°(T) (vertical)		68° (horizontal) 38° (vertical)
3-axis bracket adjustment angle	pan:175°, tilt: 30°~90°, rotation: 180°		pan: 360°; tilt: 20°~90° (2-axis)
<b>video</b>			
compression	H.264 / MPEG-4 / MJPEG simultaneously		H.264 / MJPEG
max. resolution (H.264/MJPEG)	full HD (1920 x 1080)		full HD (1920 x 1080)
max. frame rate	H.264 / MJPEG up to 30fps (1920 x 1080) MPEG-4 up to 15fps (640 x 480)		1080p up to 30fps (1920 x 1080)
streaming	H.264 / MPEG-4 (3GPP only) / MJPEG		H.264 / MJPEG
multiple streams	yes		
IMD (Intelligent Motion Detection) zone	3		1
WDR (Wide Dynamic Range)	yes		yes
BLC (Backlight Compensation)	yes		yes (6 selectable areas)
noise reduction	3D, 2D		no
ePTZ	yes		no
privacy mask	3		4
<b>audio</b>			
audio encoder	G.711 / G.726 audio compression		G.711 audio compression
audio streaming	2-way audio		one-way audio
microphone	external microphone input		built-in microphone
<b>network</b>			
protocol	HTTP, HTTPS, TCP/IP (IPv4, IPv6), SNMP, QoS/DSCP, Access list, RTSP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba, Bonjour		HTTP, TCP/IP, RTSP/RTCP/RTP, ICMP, UDP, IGMP, DNS, DHCP, ARP, NTP, UPnP
Ethernet	Ethernet (10/100 Base-T), RJ45 connector		
security	password protection, IP address filtering, HTTPS encrypted data transmission		password protection
<b>alarm</b>			
trigger event	mail, FTP, save to SD/SDHC card, relay, SambaMail		n/a
<b>interface</b>			
digital input/output	1/1		no
built-in storage option	SDHC card (32GB max.)		no
<b>general</b>			
power supply	DC 12V / PoE		PoE
PoE	PoE Class 0 (IEEE802.3af) power consumption: 6.3W (IR LED on) / 4.4W (IR LED off)		PoE Class 0 (IEEE 802.3af)
dimensions	132 Ø x 108 H (mm)		97 Ø x 104.5 H (mm)
net weight	680g		380g
temperature and humidity	0°C~45°C, 20%~80%		-10°C~50°C, 20%~90%
<b>bundled software</b>			
VMS software (NXU Lite <sup>1</sup> )	free up to 32CH		



**NEW** SF2121H-DVR  
coming soon



**NEW** SF2111H-DVR



SF2012H-DV

**vandal dome**

<b>application environment</b>	indoor / outdoor (IP68)			indoor / outdoor (IP66)		
indoor/outdoor	indoor / outdoor (IP68)			indoor / outdoor (IP66)		
day/night control	auto / manual / schedule			auto		
<b>system</b>						
flash (MB)	128			16		
RAM (MB)				256		
<b>camera image</b>						
sensor	1/2.7" CMOS			1/3.2" CMOS		
min. illumination	to be confirmed			color: 0.5 lux @ F1.8 black & white: 0.0018 lux @ F1.8 0 lux @ F1.8 (IR LED on)		color: 1.0 lux @ F1.5 black & white: 0.05 lux @ F1.5 0 lux @ F1.5 (IR LED on)
built-in LED				18-piece IR LED		
IR distance	25m			15m		
built-in mechanical ICR				yes		
auto IRIS				yes		
<b>lens</b>	<b>Computar AG3Z0312LMRP-N</b>					
lens type	vari-focal lens					
F/no	F1.2		F1.8		F1.2	
focal length	f3~9mm			f2.7~9mm		
viewing angle	121.2°(W)~38.1°(T) (horizontal) 62.1°(W)~21.3°(T) (vertical)		126.8°(W)~35.3°(T) (horizontal) 69.3°(W)~21.5°(T) (vertical)		30.4°~101° (horizontal) 23°~75° (vertical)	
3-axis bracket adjustment angle	pan: 280°, tilt: 30°~90°, rotation: 90°		pan: 360°, tilt: 30°~90°, rotation: 172°		pan: 348°, tilt: 75°, rotation: 180°	
<b>video</b>						
compression	H.264 / MPEG-4 / MJPEG simultaneously					
max. resolution (H.264/MJPEG)	full HD (1920 x 1080)			1600 x 1200		
max. frame rate	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 30fps (1920 x 1080) MPEG-4 up to 15fps (640 x 480)		H.264 / MJPEG up to 15fps (1600x1200) MPEG-4 up to 5fps (176 x 144)	
streaming	H.264 / MPEG-4 (3GPP only) / MJPEG			H.264 / MPEG-4 (3GPP only) / MJPEG		
multiple streams				yes		
IMD (Intelligent Motion Detection) zone				3		
WDR (Wide Dynamic Range)	yes			no		
BLC (Backlight Compensation)				yes		
noise reduction	3D, 2D			2D		
ePTZ				yes		
privacy mask				3		
<b>audio</b>						
audio encoder	G.711 / G.726 audio compression			G.711 audio compression		
audio streaming				2-way audio		
microphone				external microphone input		
<b>network</b>						
protocol	HTTP, HTTPS, TCP/IP, QoS/DSCP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba		HTTP, HTTPS, TCP/IP (IPv4, IPv6), SNMP, QoS/DSCP, Access list, RTSP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba, Bonjour		HTTP, TCP/IP, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba	
Ethernet				Ethernet (10/100 Base-T), RJ45 connector		
security	password protection, IP address filtering, HTTPS encrypted data transmission			password protection		
<b>alarm</b>						
trigger event	mail, FTP, save to microSDHC card, relay, Samba					
<b>interface</b>						
digital input/output				1/1		
built-in storage option				microSDHC card (32GB max.)		
<b>general</b>						
power supply				DC 12V / PoE		
PoE	PoE Class 3 (IEEE802.3af) power consumption: to be confirmed		PoE Class 0 (IEEE802.3af) power consumption: 6.8W (IR LED on) / 5.3W (IR LED off)		PoE Class 0 (IEEE802.3af) power consumption: 7.6W (IR LED on) / 6.0W (IR LED off)	
dimensions	144.3 Ø x 115 H (mm)		140 Ø x 130 H (mm)		140 Ø x 130 H (mm)	
net weight	1250g		1300g		1300g	
temperature and humidity	to be confirmed		-10°C~45°C, 20%~80%		-10°C~40°C, 20%~80%	
<b>bundled software</b>						
VMS (NXU Lite <sup>1</sup> )	free up to 32CH					

1. support languages: English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish

2. optional accessory

\* warranty: 24 months

\*\* specifications are subject to change without prior notice





## IP Video Management Software (NXU8000 & NXU Lite)

- Supports up to 32 IP camera channels
- Up to 5 megapixels per channel with a total of 42 megapixels for all channels in H.264 / MPEG-4 / MJPEG format
- Active IP support for direct IP address setup
- Dual monitor application allowing for the display of up to 8 E-maps
- Supports live playback, event search, intelligent search and visual search
- Remote software integration: CM3000 / CM3000 Gold, Remote Console, PCViewer, iViewer for iPhone / iPad, and AndroidViewer

Feature		NXU8000	NXU Lite*
alarm event	max. support	64 alarms	32 alarms
	abnormal event	yes	yes
	POS alarm	yes	no
alarm trigger	send to CMS	yes	yes
	send to FTP	yes	yes
	send SMS	yes	no
video intelligence	object counting	yes	no
	FaceFinder	yes	no
	missing / suspicious object	yes	no
	scene change	yes	no
POS integration		yes	no

\* NXU Lite is free video management software included with AVer IP cameras. It supports AVer IP cameras only.

## Central Management System (CM3000 & CM3000 Gold)

- Connect and control up to 1000 AVer DVRs/NVRs, including NXU8000 and NXU Lite (CM3000 Gold only)
- Quad monitor support
- Supports 64 E-map / Google maps to graphically integrate and display incident alerts and live video
- Remote playback and backup for reviewing recorded video and retrieving critical images
- Advanced alarm center with multiple operator management
- Remote iAlarm for monitoring live alarm events and assigning them to remote managers
- Remote iMatrix for grouping up to 128 monitor views into myriad combinations to create a TV-wall command center
- Remote Setup for remote configuration of cameras, recordings, schedules, and alarms



## Mobile Control and Access

- Monitor live AVer IP camera\* images via iPad, iPhone (iViewer), and Android mobile devices via AndroidViewer anytime and anywhere
  - \* AndroidViewer supports all AVer IP camera models and iViewer supports SF2012H series only.
- Savable profiles for fast connection

Distributor/Dealer:



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