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.

normal   3D noise reduction

	SF2121H-R (NEW)	SF2012H	SF2012H-C
	box		**cube**
application environment			
indoor/outdoor	indoor / outdoor (with suitable housing)		indoor
day/night control	auto / manual / schedule	auto / manual	n/a
system			
flash (MB)	128		16
RAM (MB)	256		
camera image			
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
lens	**(optional[2])**		
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		
video			
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		
audio			
audio encoder	G.711 / G.726 audio compression	G.711 audio compression	
audio streaming	2-way audio		
microphone	built-in microphone		
network			
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	
alarm			
trigger event	mail, FTP, save to SD/SDHC card, relay, Samba		mail, FTP, save to microSDHC card, relay, Samba
interface			
digital input/output	1/1		no
built-in storage option	SDHC card (32GB max.)		microSDHC card (16GB max.)
general			
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%
bundled software			
VMS (NXU Lite[1])	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

	SF2121H-BHR-50 / SF2121H-BHR-30 (coming soon) NEW Full HD 1080	SF2111H-BR NEW Full HD 1080	SF2012H-B
bullet			
application environment			
indoor/outdoor	indoor / outdoor (IP68)	indoor / outdoor (IP66)	
day/night control	auto / manual / schedule		auto
system			
flash (MB)	128	16	
RAM (MB)	256		
camera image			
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		
lens	Computar AG3Z0312LMRP-N		
lens type	vari-focal lens		
F/no	F1.2	F1.8	F1.2
focal length	f3~9mm	f3.5-16mm	f3.6~16mm
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		
video			
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 x144)
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		
audio			
audio encoder	G.711 / G.726 audio compression		G.711 audio compression
audio streaming	2-way audio		
microphone	external microphone input		
network			
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
alarm			
trigger event	mail, FTP, save to microSDHC card, relay, Samba		mail, FTP, relay, Samba
interface			
digital input/output	1/1		
built-in storage option	microSDHC (32GB max.)		no
general			
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)	1000g (w/o bracket)
temperature and humidity	to be confirmed	-10℃~45℃, 20%~80%	-10℃~40℃, 20%~80%
bundled software			
VMS (NXU Lite[1])	free up to 32CH		

	SF2111H-DR (NEW)	SF2012H-D	SF2112H-DR (NEW) coming soon
	dome		**ceiling dome**
application environment			
indoor/outdoor	indoor		
day/night control	auto / manual / schedule	auto	n/a
system			
flash (MB)	16		DDR3 256
RAM (MB)	256		
camera image			
sensor	1/2.7" CMOS	1/3.2" 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)	color: 0.3 lux @ F2.0 black & white: 0.1 lux @ F2.0
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
lens			
lens type	vari-focal lens		M12 fixed lens
F/no	F1.8	F1.2	F2.0
focal length	f3~9mm	f2.7~9mm	f3.4mm
viewing angle	126.8°(W)~35.3°(T) (horizontal) 69.3°(W)~21.5°(T) (vertical)	30.4°~101° (horizontal) 23°~75° (vertical)	68° (horizontal) 38° (vertical)
3-axis bracket adjustment angle	pan:175°, tilt: 30°~90°, rotation: 180°	pan: 172°, tilt: 30°~90°, rotation: 180°	pan: 360°; tilt: 20°~90° (2-axis)
video			
compression	H.264 / MPEG-4 / MJPEG simultaneously		H.264 / MJPEG
max. resolution (H.264/MJPEG)	full HD (1920 x 1080)	1600 x 1200	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)	H.264 / MJPEG up to 15fps (1600x1200) MPEG-4 up to 5fps (176 x144)	1080p up to 30fps (1920 x 1080)
streaming	H.264 / MPEG-4 (3GPP only) / MJPEG	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	no	yes
BLC (Backlight Compensation)	yes		yes (6 selectable areas)
noise reduction	3D, 2D	2D	no
ePTZ	yes		no
privacy mask	3		4
audio			
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
network			
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, UDP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, UPnP, 3GPP (video only), Samba	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	
alarm			
trigger event	mail, FTP, save to SD/SDHC card, relay, SambaMail		n/a
interface			
digital input/output	1/1		no
built-in storage option	SDHC card (32GB max.)		no
general			
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 (IEEE802.3af) power consumption: 8.8W (IR LED on) / 6.7W (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~40°C, 20%~80%	-10°C~50°C, 20%~90%
bundled software			
VMS software (NXU Lite¹)	free up to 32CH		

	SF2121H-DVR NEW (coming soon)	SF2111H-DVR NEW	SF2012H-DV
	vandal dome		
application environment			
indoor/outdoor	indoor / outdoor (IP68)	indoor / outdoor (IP66)	
day/night control	auto / manual / schedule		auto
system			
flash (MB)	128	16	
RAM (MB)	256		
camera image			
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		
lens	**Computar AG3Z0312LMRP-N**		
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°
video			
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 x144)
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		
audio			
audio encoder	G.711 / G.726 audio compression		G.711 audio compression
audio streaming	2-way audio		
microphone	external microphone input		
network			
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
alarm			
trigger event	mail, FTP, save to microSDHC card, relay, Samba		
interface			
digital input/output	1/1		
built-in storage option	microSDHC card (32GB max.)		
general			
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%
bundled software			
VMS (NXU Lite[1])	free up to 32CH		

1. support langugaes: 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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