ONVIF

HD 720p

Intelligent Streaming

PoE

2-Way Audio

IP Camera

AVer SF2012/1311H Series

Featuring a range of camera types, such as cube, box, bullet, and dome, the SF2012H 2-megapixel and the SF1311H 1.3-megapixel IP camera series adopt the latest H.264 compression technology and deliver high resolution with real-time recording and display up to 30fps. When fully integrated with AVer DVRs/NVRs, the AVer IP camera series gives users superior preview performance when compare with that of other IP camera brands through the exclusive intelligent streaming feature. Coupling AVer's IP cameras with its DVRs/NVRs also helps users to achieve unlimited surveillance management through CMS and remote access through mobile devices such as iPhones, iPads, and Android devices. As the result, adopting AVer's complete solution is certain to strengthen your competitive edge when exploring new business opportunities.

	SF2012H	SF1311H	SF1311H-R
	box		
compatible with ONVIF standard	yes	no	
application environment			
indoor/outdoor	indoor/outdoor (with suitable housing)		
system			
flash (MB)	16	8	
RAM (MB)	256	128	
embedded OS	Linux		
camera image			
sensor	1/3.2" CMOS (2 megapixels)	1/4" CMOS (1.3 megapixels)	1/3" SONY CMOS (1.3 megapixels)
min. illumination	0.5 Lux @ F/1.5	0.5 Lux @ F/1.6	0.1 Lux @ F/2.0
built-in LED	no		
IR distance	no		
mechanical ICR	yes		
auto IRIS	yes		
lens	(optional*)		
lens type	fixed lens (CS mount)		
F/no	F/1.8	F/1.6	F/2.0
focal length	f3.7mm	f4mm	f4.3mm
viewing angle	80.2°	48°	62°
3-axis bracket adjustment angle	no		
video			
compression	H.264/ MPEG-4/ MJPEG simultaneously		
max. resolution (H.264/MJPEG)	1600 x 1200	1280 x 1024	1280 x 960
max. frame rate	up to 15fps (1600x1200) up to 30fps (1280x720)	up to 15fps (1280x1024) up to 30fps (640x480)	up to 25fps (1280x960) up to 30fps (1280x720)
bit rate mode	CBR: 32Kbps~4Mbps; VBR: 1 (Low)~10 (High)		
streaming	H.264/ MPEG-4/ MJPEG (3GPP only)		
IMD (Intelligent Motion Detection) zones	3	10	
privacy mask areas	3	no	7
image orientation	mirror, flip		
audio			
audio encoder	G.711 audio compression		
audio streaming	2-way audio		
microphone	built-in microphone		
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	up to 20 users simultaneously	
alarm			
alarm triggers	mail, FTP, save to on-board storage, relay, Samba	mail, FTP, relay, Samba	
interface			
digital input/output	1/1		
built-in storage option	SDHC card (32GB max.)	no	
general			
power supply	DC 12V		
max. power consumption	4.6W	5W	3W
PoE	PoE Class 0 (IEEE802.3af); power consumption: 6.6W		
dimensions	58 W x 65 H x 131.5 D (mm)	64 W x 59 H x 123 D (mm)	
net weight	450g (w/o bracket)	390g (w/o bracket)	390g (w/o bracket)
temperature and humidity	0°C~40°C, 20%~80%		
software			
OS	Windows® XP/ Vista/ 7		
browser	IE 6.0, Firefox 2.0, Safari 4.0 or above		
firmware remote upgrade	yes (via HTTP)		
bundled software	free bundle up to 36CH	free bundle up to 64CH	

* Subject to quantity purchased **warranty: 24 months

	SF2012H-B	SF1311H-B	SF2012H-C
	bullet		cube
compatible with ONVIF standard	yes	no	yes
application environment			
indoor/outdoor	indoor/outdoor (IP66)		indoor
system			
flash (MB)	16	8	16
RAM (MB)	256	128	256
embedded OS	Linux		
camera image			
sensor	1/3.2" progressive CMOS (2 megapixels)	1/4" progressive CMOS (1.3 megapixels)	1/3.2" progressive CMOS (2 megapixels)
min. illumination	0 Lux @ F/1.2 (IR LED on)	0 Lux @ F/2.0 (IR LED on)	1.5 Lux @ F/2.0
built-in LED	35-piece IR LED	24-piece IR LED	no
IR distance	20M	850nm	no
mechanical ICR	yes		no
auto IRIS	yes	no	
lens			
lens type	vari-focal lens	fixed lens	fixed lens
F/no	F/1.2	F/2.0	
focal length	f3.6~16mm	f4mm	f4.3mm
viewing angle	20.8°~75.4° (horizontal); 15.7°~54.9° (vertical)	33° (horizontal)	72°
3-axis bracket adjustment angle	no		
video			
compression	H.264/ MPEG-4/ MJPEG simultaneously		
max. resolution (H.264/MJPEG)	1600 x 1200	1280 x 1024	1600 x 1200
max. frame rate	up to 15fps (1600x1200) up to 30fps (1280x720)	up to 15fps (1280x1024) up to 30fps (640x480)	up to 15fps (1600x1200) up to 30fps (1280x720)
bit rate mode	CBR: 32Kbps~4Mbps; VBR: 1 (Low)~10 (High)		
streaming	H.264/ MPEG-4/ MJPEG (3GPP only)		
IMD (Intelligent Motion Detection) zones	3	10	3
privacy mask areas	3	no	3
image orientation	mirror, flip		
audio			
audio encoder	G.711 audio compression		
audio streaming	2-way audio		
microphone	external microphone input		built-in microphone
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	up to 20 users simultaneously	up to 10 users simultaneously
alarm			
alarm triggers	mail, FTP, save to on-board storage, relay, Samba	mail, FTP, relay, Samba	mail, FTP, save to on-board storage, Samba
interface			
digital input/output	1/1		no
built-in storage option	no	no	microSDHC card (32GB max.)
general			
power supply	DC 12V		
max. power consumption	6.5W (IR LED on)/ 4.8W (IR LED off)	9W (IR LED on)/ 5W (IR LED off)	3.6W
PoE	PoE Class 0 (IEEE802.3af) power consumption: 9.3W (IR LED on) / 6.9W (IR LED off)		no
dimensions	83Ø x 180 H (mm)	100 W x 95 H x 170 D (mm)	94.3 W x 59.1 H x 45.2 D (mm)
net weight	1,000g (w/o bracket)	725g (w/o bracket)	240g (w/o bracket)
temperature and humidity	-10°C~40°C, 20%~80%	0°C~40°C, 20%~80%	-10°C~40°C, 20%~80%
software			
OS	Windows® XP/ Vista/ 7		
browser	IE 6.0, Firefox 2.0, Safari 4.0 or above		
firmware remote upgrade	yes (via HTTP)		
bundled software	free bundle up to 36CH	free bundle up to 64CH	free bundle up to 36CH

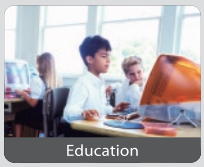
	SF1311H-C	SF2012H-D	SF1311H-D
	cube	dome	
compatible with ONVIF standard	no	yes	no
application environment			
indoor/outdoor	indoor		
system			
flash (MB)	8	16	8
RAM (MB)	128	256	128
embedded OS	Linux		
camera image			
sensor	1/4" progressive CMOS (1.3 megapixels)	1/3.2" progressive CMOS (2 megapixels)	1/4" progressive CMOS (1.3 megapixels)
min. illumination	0 Lux @ F/1.8 (LED on)	0 Lux @ F/1.2 (IR LED on)	0.5 Lux @ F/1.8
built-in LED	6-piece white light LEDs	18-piece IR LED	no
IR distance	no	15M	no
mechanical ICR	no	yes	no
auto IRIS	no	yes	no
lens			
lens type	fixed lens	vari-focal lens	fixed lens
F/no	F/1.8	F/1.2	F/1.8
focal length	f4.3mm	f2.7~9mm	f4.3mm
viewing angle	48°	30.4°~101° (horizontal); 23°~75° (vertical)	48° (horizontal)
3-axis bracket adjustment angle	no	pan: 172° tilt: 30°~90° rotation: 172°	no
video			
compression	H.264/ MPEG-4/ MJPEG simultaneously		
max. resolution (H.264/MJPEG)	1280 x 1024	1600 x 1200	1280 x 1024
max. frame rate	up to 15fps (1280x1024) up to 30fps (640x480)	up to 15fps (1600x1200) up to 30fps (1280x720)	up to 15fps (1280x1024) up to 30fps (640x480)
bit rate mode	CBR: 32Kbps~4Mbps; VBR: 1 (Low)~10 (High)		
streaming	H.264/ MPEG-4/ MJPEG (3GPP only)		
IMD (Intelligent Motion Detection) zones	10	3	10
privacy mask areas	no	3	no
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 20 users simultaneously	up to 10 users simultaneously	up to 20 users simultaneously
alarm			
alarm triggers	mail, FTP, save to on-board storage, Samba	mail, FTP, save to on-board storage, relay, Samba	mail, FTP, relay, Samba
interface			
digital input/output	no	1/1	
built-in storage option	microSDHC card (16GB max.)	SDHC card (32GB max.)	no
general			
power supply	DC 12V		
max. power consumption	5W	6.2W (IR LED on)/ 4.7W (IR LED off)	5W
PoE	PoE Class 0 (IEEE802.3af) power consumption: 7.6W (IR LED on)/ 6.0W (IR LED off)	PoE Class 0 (IEEE802.3af) power consumption: 8.8W (IR LED on)/ 6.7W (IR LED off)	PoE Class 0 (IEEE802.3af) power consumption: 4.5W
dimensions	83 W x 102 H x 21D (mm)	132Ø x 108H (mm)	134Ø x 109H (mm)
net weight	130g (w/o bracket)	680g (w/o bracket)	
temperature and humidity	0°C~40°C, 20%~80%	-10°C~40°C, 20%~80%	0°C~40°C, 20%~80%
software			
OS	Windows® XP/ Vista/ 7		
browser	IE 6.0, Firefox 2.0, Safari 4.0 or above		
firmware remote upgrade	yes (via HTTP)		
bundled software	free bundle up to 64CH	free bundle up to 36CH	free bundle up to 64CH

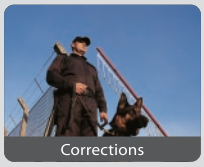
Retail

Financial Institution

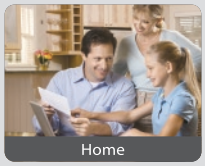
Transportation

Government


Education


Corrections

Industrial


Home

	SF2012H-DV	SF1311H-DV
	vandal dome	
compatible with ONVIF standard	yes	no
application environment		
indoor/outdoor	indoor/outdoor (IP66)	
system		
flash (MB)	16	8
RAM (MB)	256	128
embedded OS	Linux	
camera image		
sensor	1/3.2" progressive CMOS (2 megapixels)	1/4" progressive CMOS (1.3 megapixels)
min. illumination	0 Lux @ F/1.2 (IR LED on)	0 Lux @ F/1.2 (IR LED on)
built-in LED	18-piece IR LED	24-piece IR LED
IR distance	15M	850nm
mechanical ICR	yes	
auto IRIS	yes	no
lens		
lens type	vari-focal lens	
F/no	F/1.2	
focal length	f2.7~9mm	
viewing angle	30.4°~101° (horizontal); 23°~75° (vertical)	22°~65° (horizontal)
3-axis bracket adjustment angle	pan: 348° tilt: 30°~90° rotation: 172°	no
video		
compression	H.264/ MPEG-4/ MJPEG simultaneously	
max. resolution (H.264/MJPEG)	1600 x 1200	1280 x 1024
max. frame rate	up to 15fps (1600x1200) up to 30fps (1280x720)	up to 15fps (1280x1024) up to 30fps (640x480)
bit rate mode	CBR: 32Kbps~4Mbps; VBR: 1 (Low)~10 (High)	
streaming	H.264/ MPEG-4/ MJPEG (3GPP only)	
IMD (Intelligent Motion Detection) zones	3	10
privacy mask areas	3	no
image orientation	mirror, flip	
audio		
audio encoder	G.711 audio compression	
audio streaming	2-way audio	
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	up to 20 users simultaneously
alarm		
alarm triggers	mail, FTP, save to on-board storage, relay, Samba	mail, FTP, relay, Samba
interface		
digital input/output	1/1	
built-in storage option	SDHC card (32GB max.)	no
general		
power supply	DC 12V	
max. power consumption	5.3W (IR LED on)/ 4.2W (IR LED off)	
PoE	PoE Class 0 (IEEE802.3af); power consumption: 7.6W (IR LED on)/ 6.0W (IR LED off)	
dimensions	140Ø x 130H (mm)	148Ø x 108H (mm)
net weight	1,300g (w/o bracket)	1,165g (w/o bracket)
temperature and humidity	-10°C~40°C, 20%~80%	
software		
OS	Windows® XP/ Vista/ 7	
browser	IE 6.0, Firefox 2.0, Safari 4.0 or above	
firmware remote upgrade	yes (via HTTP)	
bundled software	free bundle up to 36CH	free bundle up to 64CH

True Day & Night

Equipped with a mechanical ICR (IR-Cut Filter Removable) and an IR illuminator, the SF2012/1311H series provides extremely clear video images under a variety of lighting conditions at any time, day or night.

SF2012H/SF2012H-B/SF2012H-D/SF2012H-DV
SF1311H/SF1311H-R/SF1311H-B/SF1311H-C/SF1311H-DV

Intelligent Motion Detection (IMD)

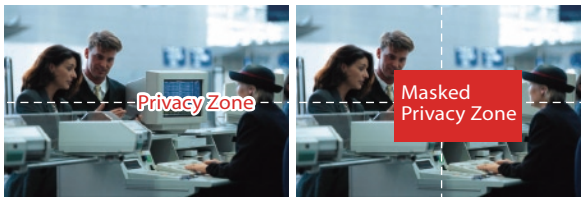
IMD is a user-defined graphic motion sensitivity feature that minimizes false alarms through higher detection efficiency. Up to 10 detection zones in all can be defined with this function.

SF2012/1311H 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 and SF1311H-DV come with durable metal housing and shock-resistant protective glass suitable in areas prone to vandalism.

SF2012H-B/SF1311H-B (with waterproof feature)
SF2012H-DV/SF1311H-DV (with waterproof & vandal-proof feature)



Privacy Protection

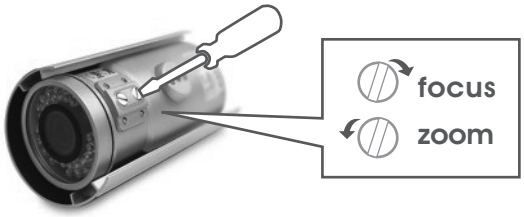
Privacy mask support can define up to 7 viewing areas to be hidden for privacy protection or sensitive information.

SF2012H series/SF1311H-R

Local Backup

The SF2012H series and the SF1311H-C feature local SDHC or microSDHC card backup when the network is down or events are triggered.

SF2012H series (exclude SF2012H-B)/SF1311H-C



External Vari-Focal Lens Adjustment

Designed for easy installation, once the SF2012H-B is fixed in place, corrections can be made to the focus and zoom with the controls on the exterior of the casing. This design enables installers to easily adjust and fine-tune the images for the clearest possible view of the target area.

SF2012H-B

Supported Languages for UI

SF2012H series: English, French, German, Italian, Japanese, Polish, Portuguese, Russian, Simplified Chinese, Spanish, Traditional Chinese
SF1311H series: English, Czech, Danish, French, German, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese

Distributor/Dealer:

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