



FX2000 (SF2121H-R)

The 2-megapixel AVer FX2000 (SF2121H-R) box type IP camera (network camera) can display up to full HD quality video in real-time. It is designed for day and night applications with mechanical IR-cut filter and features ultra low lux, WDR (Wide Dynamic Range) and dynamic noise reduction to deliver vivid images in poor lighting conditions. With the plug & play feature, the FX2000 (SF2121H-R) can be automatically detected by select AVer DVRs/NVRs for easy installation without IP configuration.



features



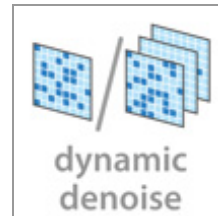
full HD
resolution



ultra low lux



day / night
function



dynamic
noise
reduction



plug & play

key features

- 2-megapixel 1/2.7" CMOS sensor with vari-focal lens ($f=3.1\sim 8\text{mm}$)
- supports up to 1920 x 1080 at 30fps
- H.264 / MJPEG / MPEG-4 compression (tri-codec)
- supports plug and play feature with AVer DVRs/NVRs
- ideal for ultra low-light applications (min. illumination = 0.001 lux)
- built-in mechanical ICR (IR-cut filter removable) for excellent day and night visibility
- supports Wide Dynamic Range (WDR) and dynamic Digital Noise Reduction (DNR) to deliver cleaner, sharper images in low-light environments
- supports Smart Stream and Region of Interest (ROI) and Event Booster technology, allowing for smart bandwidth / storage optimization through targeted image capturing
- local storage backup when an event is triggered or the network is down
- event trigger actions: mail, FTP, save to SDHC card, relay, Samba

- NXU Lite video management software (free up to 32CH)

specs

model	FX2000 (SF2121H-R)
application environment	
indoor / outdoor	indoor / outdoor
weatherproof	-
vandal-proof	-
day / night control	auto / manual / schedule
camera image	
sensor	1/2.7" CMOS
min. illumination	color: 0.15 lux @ F1.2 black & white: 0.001 lux @ F1.2
built-in IR LEDs	-
IR distance	-
mechanical ICR	yes
auto iris	yes
optional lens	
lens type	vari-focal lens (CS mount)
F/no	F1.2
focal length	f=3.1~8mm
angle of view	105.4° (W) ~ 42.2° (T) (horizontal) 57.9° (W) ~ 23.8° (T) (vertical)
video	
compression	H.264 / MPEG-4 / MJPEG simultaneously
max. resolution (H.264 / MJPEG)	full HD (1920 x 1080)
max. frame rate	H.264 / MPEG-4 up to 30fps (1920 x 1080) MJPEG up to 30fps (1280 x 1024)
streaming	H.264 / MPEG-4 (3GPP only) / MJPEG
multiple streams	yes
WDR (Wide Dynamic Range)	D-WDR
BLC (Backlight Compensation)	yes
DNR (Digital Noise Reduction)	dynamic, 3D, 2D
Smart Stream	yes
ROI (Region of Interest)	yes

IMD (Intelligent Motion Detection) zone	3
privacy mask	3
image orientation	mirror, flip
audio	
audio encoder	G.711 / G.726 audio compression
audio streaming	2-way audio
microphone	built-in microphone
network	
protocol	HTTP, HTTPS, TCP/IP (IPv4, IPv6), QoS/DSCP, UPnP, SMTP, FTP, PPPoE, DHCP, DDNS, NTP, 3GPP (video only), Samba
Ethernet	Ethernet (10/100 Base-T), RJ45 connector
security	password protection, IP address filtering, HTTPS encrypted data transmission
user	up to 10 users simultaneously
alarm	
trigger event	Event Booster, mail, FTP, save to SDHC card, relay, Samba
interface	
digital input / output	1 / 1
built-in storage option	SDHC card (32G max.)
general	
power supply	DC 12V / PoE
DC	power consumption 4.5W
PoE	PoE Class 3 (IEEE802.3af) power consumption: 6.5W
dimensions	69 W x 58.6 H x 165.05 D (mm)
net weight	490g (w/o bracket)
temperature and humidity	0°C ~ 50°C, 20% ~ 90%
other value-added features	ePTZ, EN50130-4
software	
VMS	NXU Lite (free bundle up to 32CH)
supported languages	English, Arabic, Bulgarian, Czech, Danish, Dutch, Finnish, French, German, Greek, Hebrew, Hungarian, Italian, Japanese, Norwegian, Polish, Potuguese, Romanian, Russian, Simplified Chinese, Slovak, Spanish, Swedish, Thai, Traditional Chinese, Turkish

*specifications are subject to change without prior notice