



Intelligent Flame Detection IP Camera

NK2100BL-AF-F2

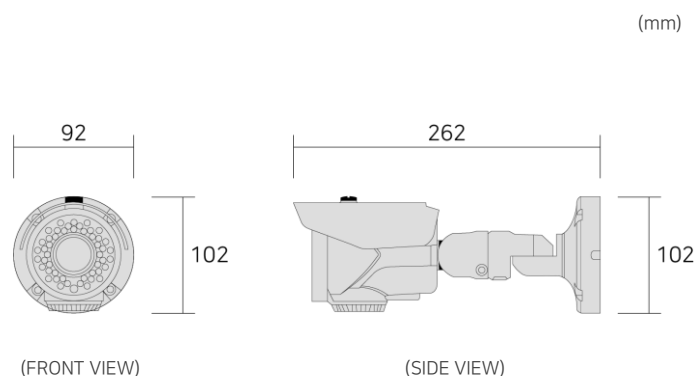
Flame Detection | SONY STARVIS | AI Event | Onvif | H.265



Key Features

- Full-HD flame detection camera adopting flame wave detection technology
- Minimizing false alarm by detecting flame wave with two separate IR sensors
- Sensing wide angle up to 100 ° and long distance up to 30 meters
- 1/2.8" high sensitivity SONY STARVIS sensor
- 4 Multi-Streams
- IR Distance 45m
- AI event (Intrusion detection, Line crossing, Loitering / Fall down(*Option) / Smoke(*Option))
- Dust proof/Water proof proven by IP66
- Developed and Manufactured in Korea

Dimension



Tech Note

Two separate IR Sensors

Minimizing false alarm by detection flame wave with two separate IR sensors

Optimal set-up such as flame detection sensitivity and alarm duration time according to user environment

Made-in-Korea AI SoC and supersensitive image sensor

Reliable AI events by applying high-performance Korean AI SoC

Minimize heating noise and improve stability with low-heating AI SoC

Supersensitive SONY STARVIS CMOS sensor delivers bright, vivid image quality even under low-light environment

AI events

AI events support with deep-learning engine (Intrusion detection, Line crossing, Loitering / Fall down(*Option) / Smoke(*Option))

Made in Korea

Competitive products having reliable quality and reasonable price purely developed and manufactured in Korea



DVR/NVR



CAMERA



ACCESSORY



SOFTWARE

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Flame Detector		
Detection Method	Flame IR sensor (2)	
Detection Distance & Angle	30M / 100° (Size 1.5M / Sensitivity 10)	
Sensitivity	1~10	
Detection Time	1, 3, 5, 10 sec	
Action Time	5 ~60 sec	
Video		
Compression Type	H.265(HEVC) main@L5.1 H.264(AVC) baseline/main/high@L5.2, MJPEG	
Resolution	Stream 1 : 1920×1080 Stream 2 : 1280×720 ~ 640×360 Stream 3 : 640×360 ~ 320×184 Stream 4 : 1280×720	
Bitrate	100Kbps ~ 10Mbps	
Bitrate Control	CBR	
Frame rate	Max. 30fps@1080p	
GoP	Max. 120	
Streaming	Stream 1 : 1920×1080 / 30fps Stream 2 : 1280×720 ~ 640×360 / 30fps Stream 3 : 640×360 ~ 320×184 / 30fps Stream 4 : 1280×720 (MJPEG) / 5fps	
Camera		
Sensor Type	1/2.8" 2.1Megapixel Starvis CMOS Sensor	
Total Pixels	1920(H) × 1080(V) = 2.1M pixels	
Scanning System	Progressive Scan	
Min. Illumination	COLOR 0.02Lux@50IRE, F1.3 B&W 0.0005Lux@50IRE, F1.3, 0Lux(IR LED On)	
Lens	Day & Night	True Day & Night
	Type	DC Auto Iris, 2.7~12mm, F1.3, IR Corrective Mega Pixel Lens
Field of View	H:108.78°(Wide)—32.27°(Tele) / V: 57.22°(Wide)—18.15°(Tele) / D: 130.54°(Wide)—37.02°(Tele)	
Camera function	Day/Night	Auto / Color / B&W / Extern / Low Light Color, IR LED Brightness control
	Auto Focus	Lens Calibration, OnePush AF, D&N AF, Zoom Tracking, Power On AF
	Image enhancement	WDR(120dB), BLC, HLC
	AGC	Support
	SNR	More than 52dB
	ACE	Support
	DNR	Support
	DSS	OFF / AUTO / x2 / x4 / x8 / x16 / x32 / x64
	SHARPNESS	0~255
	Mirror	Horizontal, Vertical
	White Balance	Auto / AutoExt / Preset / Manual
	Shutter	INDOOR, OUTDOOR, INDOOR-ANTI BLUR, OUTDOOR-ANTI BLUR, MANUAL(1/30~1/30000, 11steps)
	Privacy Mask	Support (Max. 8)
	Event	Flame detection, Motion detection, Tampering detection, Smart MD(*Option)
	DE-FOG	Support
	AI	Intrusion detection, Line crossing, Loitering / Fall down(*Option) / Smoke(*Option)
	IR Distance	45m
OSD	Size	16 ~ 250 pixel
	Color	black, blue, green, red, yellow, white
	Location	Top left, top center, top right, middle left, middle center, middle right, bottom left, bottom center, bottom right, direct input

Interfaces		
Alarm	Input	1 TTL level (3.3V)
	Output	1 TTL level (*)
Video Output	Output	CVBS 1.0 Vp-p / 75Ω composite
	Resolution	720×480@60i, 720×576@50i
Audio	Output	1 RCA (1 Vpp)
	Compression	G.711 u-law (64Kbps, 8KHz, 16bit Sampling)
System		
User	Access rights per account, initialize password, Account Add/Delete/Modify	
Management	System log, Time setting	
Upgrade	Iptool upgrade, Webpage upgrade, Emergency upgrade	
Maintenance	Initialize Settings, Restart, Initialize partial settings, scheduled reboot (*)	
Webpage Language	Korean, English	
Network & Software		
Network & Software	Network Interface	RJ-45 (10/100BASE-T)
	Network type	Fixed IP, DHCP
	DDNS	WNS (*), WRS (*)
	Port	HTTP : 80 / Onvif : 80 / RTSP : 554
	Protocols	HTTP, RTSP/RTP, TCP/IP, UDP, ARP, ICMP, DHCP, NTP, UPnP (*)
	IP Camera Protocols	Onvif Profile S, WESP
	Simultaneous live view	Up to 2 streams with NVR(Onvif/WESP) Up to 6 streams with WEB Up to 4 streams with RTSP
	DST	Support
	Web browser	Chrome, Edge, Safari, Firefox
	Web settings	Desktop (Mac, Linux and Windows) and multi-platform web setup
Security	PC CMS Software	Control Center, Control Center Pro
	Mobile software	Support (Android, iOS)
	Relay server	WinRDS
	TLS	Support
	User Access Log	Support
	IP address filtering	Support
	Session Lockdown	Support (*)
General		
Power	DC 12V ± 10%, PoE(802.3af, 36V~57V)	
Size	92(W) × 102(H) × 262(D) mm	
Power Consumption	DC : IR OFF : 3.5W - Standard / IR ON : 7.5W - Max PoE : IR OFF : 5.5W - Standard / IR ON : 10W - Max	
Operation Temp	-10°C ~ 45°C(+14°F ~ +113°F)	
Operation humidity	0% RH ~ 80% RH	
Protection	IP66 (*)	
Certifications	KC, FCC, CE, TTA (*)	
Weight	900g	

(*) Marks: Scheduled to be supported)

* Specifications are subject to change without notice for product improvement.