



EX-SDI(HD-SDI) Flame Detection Camera

K1080BL-F1

Flame Detection | CoC | HD-SDI | EX-SDI 2.0 | SONY STARVIS

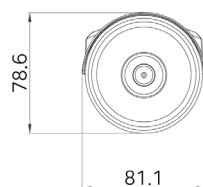


Key Features

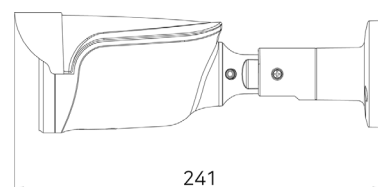
- 1/2.8" 2.1 megapixel CMOS Sensor
- Support CoC/UCC
- Support Flame Detection
- Adjustable sensitivity and recognizing time
- Detect 1.5m height flame source far from 30m distance, within 80° angle.
- Through ancillary data area of video signal and alarm out wire.
- EX-SDI 2.0, EX-SDI or HD-SDI selectable
- Various shutter mode
- Backlight Compensation (WDR / BLC / HLC)
- Digital Noise Reduction (DNR)
- Private Masking (Privacy)
- Removing dust and fog (Defog)
- OSD control through CoC/UCC

Dimension

(mm)



(FRONT VIEW)



(SIDE VIEW)

Tech Note

Special flame detection sensor

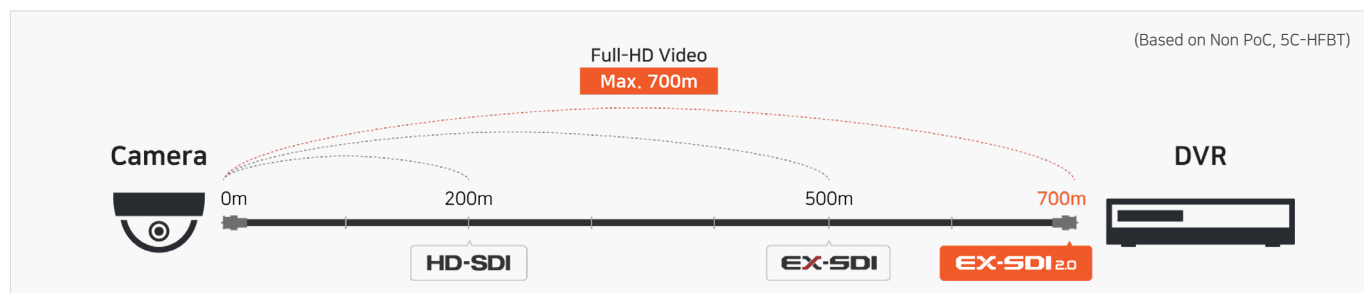
Minimizing false alarm by detection flame wave with Special flame detection sensor.
Optimal set-up such as flame detection sensitivity and alarm duration time according to user environment.

SONY STARVIS Image Sensor

Highly sensitive SONY STARVIS CMOS Sensor provides crystal clear image in low light condition.

EX-SDI 2.0

EX-SDI technology, mounted VLC(Visually Lossless Codec) on HD-SDI system, extends video transmission without image deterioration.
DVR digitally transmits either up to 500m(EX-SDI) or 700m(EX-SDI 2.0) through built-in EX-SDI receiver.





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FLAME DETECTOR

Method	Detection using a dedicated IR Sensors
Distance / Angle	30m / 80° (Fire : 1.5m / Sensitivity : 10)
Sensitivity	1 ~ 10 steps
Detection Time	3, 5, 10 sec
Action Time	Keep On, 20, 30, 40, 50, 60 sec
Flame Alarm Out	Event: Low / Normal: Hi-Z

VIDEO

Sensor Type		1/2.8" 2.1 Megapixel CMOS
Total Pixels		1920(H) × 1080(V) = 2.1M pixels
Scanning System		Progressive Scan
Min. Illumination	B/W	0.0005Lux@50IRE, F1.3, 3100K, DSS(OFF), AGC(10)
	Color	0.2Lux@50IRE, F1.3, 3100K, DSS(OFF), AGC(10)
Lens	Filter	True Day & Night (ICR)
	Type	3.6mm Fixed Mega Pixel Lens
Video Output (SDI)	Output	1 (BNC 1.0 Vp-p, 75Ω)
	Resolution	1080p 30fps / 25fps
	Video Format	HD-SDI / EX-SDI 1.0 / EX-SDI 2.0 Selectable
Video Output (CVBS)	Output	1 BNC
	Resolution	720x480 30fps / 720x576 25fps
	Video Format	Analog SD
Camera Functions	Filter	True Day & Night
	AGC	0 ~ 10 steps
	Mirror	Horizontal / Vertical
	WDR	OFF, LOW, MIDDLE, HIGH
	BLC	OFF, LOW, MIDDLE, HIGH
	ACE	OFF, LOW, MIDDLE, HIGH
	DNR	OFF, LOW, MIDDLE, HIGH
	DSS	OFF, AUTO, x2 ~ x32
	White Balance	AUTO, AUTO EXT, PRESET, MANUAL
	Defog	OFF, AUTO, MANUAL
	Electric Shutter	INDOOR, OUTDOOR, INDOOR-ANTI BLUR, OUTDOOR-
	HLC	0 ~ 20 steps
	Privacy	OFF/ON (10 Zones)
	IR LED	30 pcs (support SMART IR/IR strength)
Control	Control Method	DVR (CoC/UCC-A), CMS(Control Center)

ENVIRONMENTAL & PHYSICAL

Power	Input Voltage	DC 12V(±10%)
	Power Consumption	IR OFF : 3W (max) / IR ON : 6W (max)
Environments	Operating Temp/Humidity	-10°C ~ 50°C / 0%RH ~ 80%RH
Certification		KC

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