

## EX-SDI(HD-SDI) Flame Detection PoC Camera

# K1080PBL-AF-F2

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

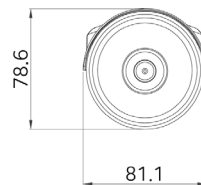


### Key Features

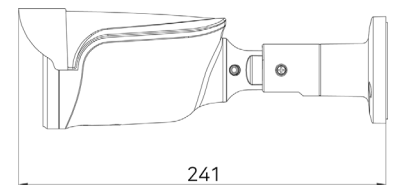
- 1/2.8" 2.1 megapixel CMOS Sensor
- Support CoC/UCC
- Support PoC(Power over Coax)
- Support Flame Detection
- Adjustable sensitivity and recognizing time
- Detect 1.5m height flame source far from 30m distance, within 80° angle.
- Through ancillary data area of video signal and alarm out wire.
- EX-SDI 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

#### 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

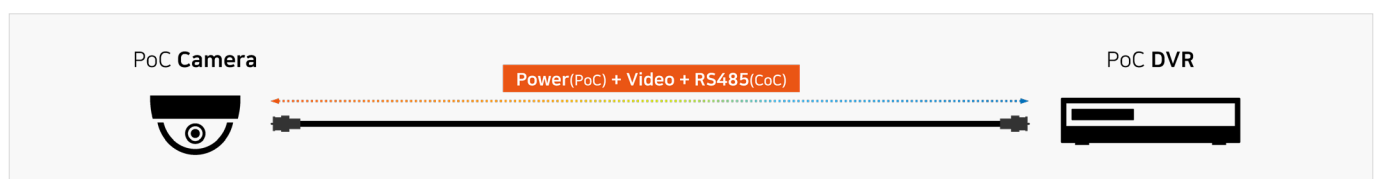
#### SONY STARVIS Image Sensor

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

#### One Cable Solution Power supply and Control over One Coax Cable

PoC(Power over Coax) : Only one Coax Cable is required to supply power. Do not require any power line.

CoC(Control over Coax) : Only one Coax Cable is required to control camera. Do not require RS485 line.





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## FLAME DETECTOR

Method	Detection using 2 kinds of 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	2.7~12mm DC IRIS varifocal 2 Motor Lens (ICR)
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-ANTI BLUR, FLICKER, MANUAL
	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 &amp; PHYSICAL

Power	Input Voltage	DC 48V(±10%) with Coax
	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.