



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

K1080PBL-AF-F2

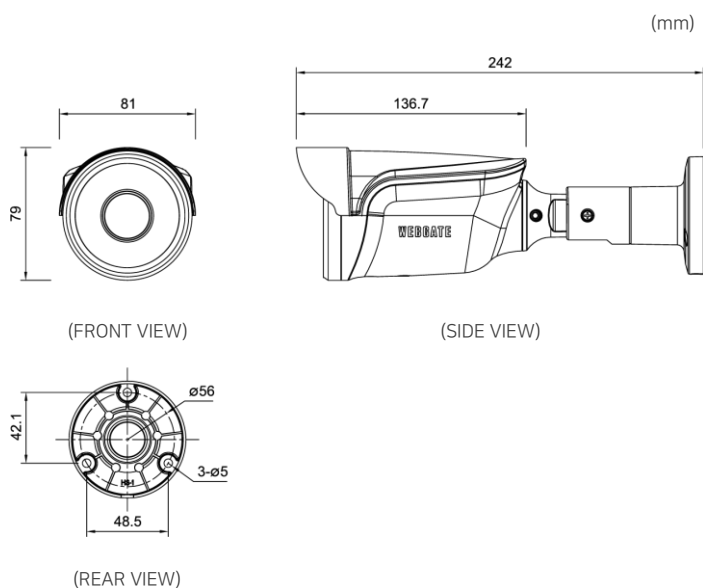
Flame Detection | PoC | CoC | HD-SDI | EX-SDI 2.0 | SONY STARVIS



Key Features

- 1/2.8" 2.1 megapixel Sony STARVIS 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 100° 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



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.

PoC Camera



Power(PoC) + Video + RS485(CoC)

PoC DVR





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FLAME DETECTOR

Method	Detection using 2 kinds of IR Sensors
Distance / Angle	30m / 100° (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 SONY STARVIS CMOS Sensor
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)
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ENVIRONMENTAL & 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